INTERIM PHASE II

COMPREHENSIVE SITE ASSESSMENT

2 KANSAS STREET
WORCESTER, MA 01583

RELEASE TRACKING # 2-0168

ACOP-CE-07-3A031

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Preparation of Report

This Phase II Comprehensive Site Assessment Report was prepared by Knoll Environmental, Inc. (Knoll) at the request of Ernest W. Foster, Jr. This report was prepared by Mr. Kevin A. Doherty, Hydrogeochemist, and Mr. Alex Sherrin, Licensed Site Professional (LSP# 7256).



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1.0 INTRODUCTION

This Interim Phase II Comprehensive Site Assessment Report was prepared in accordance with 310 CMR 40.0830, to document information obtained during Comprehensive Site Assessment activities. This Report is submitted electronically in conjunction with the Massachusetts Department of Environmental Protection's (Mass DEP) Phase II Completion Statement (Comprehensive Response Action Transmittal Form, BWSC-108).

This Report has been prepared for Release Tracking Number 2-0168 (the "Site at 2 Kansas Street in Worcester, Massachusetts (the "Property"). Refer to Figure 1, MCP Numerical Ranking System Map for the site location. The Property is a 1.04 acre parcel zoned as industrial/commercial in the City of Worcester. The Site comprises the entire Property boundary and includes the right of way leading to the rear of the lot. Refer to Figure 2, Regional Site Plan, for details of the Property location and the surrounding abutters, and Figure 3, Site Boundary Map with Release Tracking Numbers.

In accordance with 310 CMR 40.0000, this Interim Phase II CSA was conducted by Mr. Ernest Foster's consultant, Mr. Alex Sherrin, a Licensed Site Professional (LSP # 7256) and Mr. Kevin Doherty, Hydrogeochemist of Knoll Environmental, Inc. (Knoll), 69 Wexford Street, Needham, MA 02494.

1.1 Site Contact Information

Party Conducting Response Actions Potentially Responsible Party (PRP):	Ernest W. Foster, Jr. 137 Shrewsbury Street West Boylston, MA 02137 (508)-835-3136
Licensed Site Professional/Consultant Contact	Alex Sherrin LSP No. 7256 Kevin Doherty Dir. Env. Services Knoll Environmental, Inc. 69 Wexford Street Needham, MA 02494. (781) 449-1566

1.2 Background

The Property is located in an industrial and residential zoned area of Worcester, MA at the intersection of Kansas Street and Cambridge Street. It is bounded to the south by the an access road that leads under Interstate 290 to the Riley Research facility; to the north by a retaining wall on the border with Cambridge Street; to the east by a retaining wall that borders the Providence and Worcester Railway; and to the west by Kansas Street and

a commercial building containing All Phase Electrical Supply. Refer to Figure 2, Regional Site Plan, for details.

The Property has had five RTNs listed with the MADEP. The locations of the RTNs are presented in Figure 3, Site Boundary Map with RTN Locations. The Property was first listed as a Disposal Site by the MADEP in 1985 following a 21E Investigation by IEP, Inc. which revealed PCBs in soil at concentrations ranging from 6 ppb to 1,400 ppb. The Site was assigned RTN 2-0168 with non-priority classification. RTNs, 2-11634, 2-11667, and 2-14355 were for 72-hr reportable conditions consisting of >0.5 inches of LNAPL on the ground water table and PCBs at concentrations greater than the imminent hazard level of 10 ppm. The fifth RTN 2-13519 is at the corner of Sherman Street and Kansas Street and abuts the Property building. Refer to Section 4.5, Release History.

From July 2002 to March 2003, Corporate Environmental Advisers, Inc. (CEA) submitted a Phase II, III, and IV report that was considered incomplete by the MassDEP. Knoll Environmental, Inc. was contracted in April 2004 to continue response actions.

1.3 Previous Documents

The following documents have been previously submitted to the MADEP for this Site:

- IEP, Inc. 21E Investigation, January 1985;
- Ploss Associates, Phase I Environmental Site Assessment, Sept. 1989;
- Subsurface Investigation Report for the Evaluation of Potentially Hazardous Materials, Property, 2 Kansas Street, Worcester, MA 01583, Disposal Site Number 2-000168, Corporate Environmental Advisors, March 18, 1997;
- Immediate Response Action (IRA) Plan, Property 2 Kansas Street, Worcester, MA 01583 RTN 2-11634 and 2-11667, Corporate Environmental Advisors, May 12, 1997;
- Phase I Initial Site Investigation, Property 2 Kansas Street, Worcester, MA 01583, RTN 2-0168 (2-11634 & 2-11667), Corporate Environmental Advisors, June 30, 1997;
- Phase II Comprehensive Site Assessment, Scope of Work, 2 Kansas Street, Worcester, MA 01583, Release Tracking Numbers 2-0168, 2-11634, and 2-11667, Corporate Environmental Advisors, November 1, 2001;
- Immediate Response Action Status Report, 2 Kansas Street, Worcester, MA 01610, Release Tracking Numbers 2-0168, 2-11634, and 2-11667, Corporate Environmental Advisors, January 31, 2002;

- Phase II Comprehensive Site Assessment, Tier 1B, Earnest Foster, Jr., 2 Kansas Street, Worcester, MA 01583, Release Tracking Numbers 2-0168, 2-11634, 2-11667, and 2-14355, Corporate Environmental Advisors, July 1, 2002;

- Phase III Remedial Action Plan, 2 Kansas Street, Worcester, MA 01583, RTNs 2-0168, 2-11634, 2-11667, and 2-14355, Corporate Environmental Advisors, July 15, 2002;

- Immediate Response Action Status Report, 2 Kansas Street, Worcester, MA 01610, Release Tracking Numbers 2-0168, 2-11634, 2-11667, and 2-14355 Corporate Environmental Advisors, July 15, 2002;

- Tier 1B Permit Extension Request, 2 Kansas Street, Worcester, MA 01583, RTNs 2-0168, 2-11634, and 2-11667, MassDEP Tier 1B Permit No. 120187, Corporate Environmental Advisors, July 29, 2002;

- Phase II Comprehensive Site Assessment Addendum Report, Tier 1B, Ernest Foster, Jr., 2 Kansas Street, Worcester, MA 01583, Release Tracking Numbers 2-0168, 2-11634, 2-11667, and 2-14355, Corporate Environmental Advisors, January 23, 2003;

- Phase IV, Remedy Implementation Plan, 2 Kansas Street, Worcester, MA 01583, RTNs 2-0168, 2-11634, 2-11667, and 2-14355, Corporate Environmental Advisors, March 2003;

- Imminent Hazard Evaluation, 2 Kansas Street, Worcester, MA 01583 RTN 2-000168, Knoll Environmental, Inc., September 24, 2004;

- Immediate Response Action Status Report, 2 Kansas Street, Worcester, MA 01583 RTN 2-11634, Knoll Environmental, Inc., May 5, 2005;

- Immediate Response Action Status Report, 2 Kansas Street, Worcester, MA 01583 RTN 2-11667, Knoll Environmental, Inc., May 5, 2005; and

- Immediate Response Action Status Report, 2 Kansas Street, Worcester, MA 01583 RTN 2-14355, Knoll Environmental, Inc., May 5, 2005;

- Immediate Response Action Status Report, 2 Kansas Street, Worcester, MA 01583 RTN 2-00168, Knoll Environmental, Inc., February 6, 2006;

- Immediate Response Action Status Report, 2 Kansas Street, Worcester, MA 01583 RTN 2-00168, April 13, Knoll Environmental, Inc., 2007;

- Immediate Response Action Status Report, 2 Kansas Street, Worcester, MA 01583 RTN 2-00168, Knoll Environmental, Inc., September 28, 2007;

- Phase II Scope of Work, 2 Kansas Street, Worcester, MA 01583 RTN 2-00168, Knoll Environmental, Inc., November 7, 2007;

- Immediate Response Action Status Report, 2 Kansas Street, Worcester, MA 01583 RTN 2-00168, Knoll Environmental, Inc., October 16, 2008;

- Immediate Response Action Status Report, 2 Kansas Street, Worcester, MA 01583 RTN 2-00168, Knoll Environmental, Inc., February 10, 2010;

- Immediate Response Action Status Report, 2 Kansas Street, Worcester, MA 01583 RTN 2-00168, Knoll Environmental, Inc., January 3, 2011;

1.4 Phase II Scope of Work (SOW)

The objective of the Phase II Comprehensive Site Investigation was to characterize the source, extent, and migration pathways of PCBs, LNAPL, EPH compounds, RCRA 8 Metals, and chlorinated VOCs at the Site. The purpose was to identify the risk of harm to health, safety, public welfare, and the environment and to assess the need for additional response actions at the Site. To fulfill these objectives, Knoll conducted the following scope of work (SOW):

- Conduct a review of the contaminated sites located around the Property and identify the location of PCB contaminated sites;

- Review and summarize work conducted at the Property by previous investigators;

- Conduct soil borings and install ground water monitoring wells at the Site to delineate the extent of soil and ground water contaminants;

- Conduct a ground water elevation survey to determine ground water flow;

- Review and assess contaminant migration pathways;

- Compile and assess the data; and

- Prepare a Phase II - Comprehensive Site Assessment Report.

The initial Phase II soil and ground water sampling was conducted from September of 2005 through September 2007. In November 2007, the MassDEP requested a Phase II SOW which was submitted to the Site Manager, Mr. Joseph Laughton. The purpose of this SOW was to present the results of Site investigation activities conducted to date and to describe additional investigative and sampling programs to be undertaken to further characterize the source, extent, and migration pathways, and the potential for risk of harm to health, safety, and public welfare, or the environment at the Site. The tasks of the

November 2007 Phase II SOW listed below were conducted from 2007 to 2011 (see SOW for further details).

Task #1: Characterization of CVOCs in ground water with a Figure, Ground Water Chlorinated Organics, showing the concentrations of CVOCs and the proposed locations of observation wells installed to a depth of 50 feet, the top of the bedrock.

Task #2: Characterization of EPHs and LNAPL in ground water with a Figure, Ground Water EPHs and LNAPL, showing the concentrations of EPHs and the proposed location of observation wells installed to a depth of 15 to 20 feet into the water table.

Task #3. Characterization of PCBs in Soil with a Figure, Detailed Site Plan – PCB Surficial Soils, showing the proposed boring locations for PCBs.

Task #4. Characterization of Arsenic in Soil with a Figure, Arsenic in Soil, showing the concentrations throughout the northern portion of the property. Background soil samples will be collected to determine the regional Arsenic concentration off Property.

Task #5. Characterization of Barium in Soil with a Figure, Barium in Soil, showing the concentrations throughout the northern portion of the Property with two proposed boring locations.

Task #6. Characterization of Cadmium in Soil with a Figure, Cadmium in Soil, showing the concentrations throughout the northern portion of the Property with three proposed boring locations.

Task #7. Characterization of Lead in Soil with a Figure, Lead in Soil, showing the concentrations throughout the northern portion of the Property with proposed boring locations.

Task #8. Characterization of Metals in Soil with a Figure, Proposed Borings RCRA8 metals - southern portion, showing the locations of proposed boring locations. Soil cores will be collected from 0-15’ and soil samples will be analyzed from 0-1’, 1-3’and 3-6’.

Task #9. Characterization of CVOCs in Soil with a Figure, Total Chlorinated Organics - Soil, showing the locations of proposed boring locations for CVOCs.

2.0 DISPOSAL SITE NAME, LOCATION AND LOCUS MAP 40.0835(4)(a)

2.1 Disposal Site Name

The name of the Disposal Site is 2 Kansas Street. Hereafter, the disposal site will be referred to as the "Site".

2.2 Disposal Site Location and Description

The Property's Universal Transverse Mercator (UTM) coordinates are 4680400N and 268550E. Topographically, the Property is at an approximate elevation of 445 feet above mean sea level (msl). The area within approximately one-half mile of the Property has a relief of approximately 270 feet from hill to valley with the regional topography generally higher to the north and west. The Property lies within the Federal Emergency Management Agency (FEMA) 100 year floodplain.

The Property is approximately 45,400 square feet. A two story building is located on the southern portion (rear of the Property). This building was constructed in two phases. The first portion and front, the Research Lab, was constructed in 1910 according to the City Worcester Building Department and Sanborn Maps. The Research Lab has a full basement. The southern half, the Warehouse, was constructed slab on grade between 1937 and 1949 according to the Sanborn maps. The area immediately to the north of the building (i.e., the front of the building facing Cambridge Street) is a paved parking area. The remaining northern portion of the Property (the front of the Property bordering Cambridge Street) consists of an unpaved fenced lot. The building is serviced by municipal water, and sewer, and underground electrical utilities. Refer to Figure 4, Property Utility Map, for the location of Property utilities.

The Site comprises the entire Property boundaries and includes the right of way to the rear of the lot. The Site has been completely defined according to MassDEP guidelines. Refer to Figure 3, Site Boundary Map, for the Site boundary.

2.3 Site Locus Map

Figure 1, MCP Numerical Ranking System Map, is a scaled map identifying the Site location with the locations of local features and surface water bodies. Also included are the locations of environmental receptors such as municipal water wells, FEMA 100 yr. flood plain, mapped Interim Wellhead Protection Areas (IWPA), delineated Zone II areas, and Areas of Critical Environmental Concern, if any.

2.4 Surrounding Land Use

The Property is located in an industrial and residential zoned area of Worcester, MA at the intersection of Kansas Street and Cambridge Street. It is bounded to the south by the

an access road that leads under Interstate 290 to the Riley Research facility; to the north by a retaining wall on the border with Cambridge Street; to the east by a retaining wall that borders the Providence and Worcester Railway; and to the west by Kansas Street and All Phase Electrical Supply. Refer to Figure 2, Regional Site Plan, for details.

2.5 Sensitive Receptors

Currently, the Site is occupied by a solid waste recycling company. The building is currently occupied with three full time employees. There is no potential for exposure as the employees work inside and any outside activity would be limited to walking on surfaces that have an asphalt/concrete cover or one to three feet of clean fill material. Sensitive receptors include environmental personnel who dress in appropriate personal protective equipment to prevent/limit exposure to the contaminants.

Generally, the land use surrounding the Site is mixed industrial, commercial, and residential. The estimated residential population located within a half-mile radius of the Property is more than 500 people. The nearest residence is 180 feet to the west. The Sacred Heart School is located approximately 530 feet west of the Site, and the Millbury School is located about 1,200 feet to the east. The nearest surface water body to the Site is the Middle River, which is located approximately 1,000 feet south of the Site. There are no surface water bodies or wetlands located within 500 feet of the Site.

Referring to Figure 1, the Site is located within a mapped medium yield non-potential drinking water source area (light to medium gray shaded areas). A Zone II is located 600 feet south of the Site. No wetland areas are located within a one-half mile radius of the Site. None of the following natural resources are located within 500 feet of the Site:

a. Drinking water supplies consisting of private wells, Zone II areas, Interim Wellhead Protection Areas, Zone A areas, or Potentially Productive Aquifers.

b. Areas of Critical Environmental Concern, Wetlands, Sole Source Aquifers, local, state and/or federal protected open space, fish habitats, habitats of Species of Special Concern or Threatened or Endangered Species.

According to FEMA Flood Insurance Rate Map (FIRM) Panel No. 2503490025A, the Site is located within a 100-year flood zone.

3.0 DETAILED DISPOSAL SITE MAPS 40.0835(4)(B)

Site Maps

A scaled location map and plans were prepared for the Site. Figures 1 to 15 are described below and are included within the Figures section.

Figure 1: MCP Numerical Ranking Map

A scaled map identifying the Site location with local features, and surface water bodies, and the locations of environmental receptors such as municipal water wells, mapped Zone II areas, if present, wetlands, etc.

Figure 2: Regional Site Plan

A scaled map identifying the Property and surrounding features.

Figure 3: Site Boundary Map with Release Tracking Number Locations

A scaled map identifying the detailed features of the Property, including the Property boundaries, the locations on the Site of the five Release Tracking Numbers, and the boundaries of the Disposal Site.

Figure 4: Site Utility Map

A scaled map identifying the detailed features of the Property, including Property boundaries, utility locations throughout the Property, and adjoining Kansas Street and Cambridge Street.

Figure 5: Site Plan –Weston & Sampson RTN 2-15319

A scaled map identifying the Site, and the surrounding properties, including property boundaries and soil boring and observation well locations throughout the rear of the Rome Building Products property and adjoining Kansas Street, Sherman Street, and Cambridge Street.

Figure 6A: CEA Soil Boring Locations 1997-2002

A scaled map identifying the detailed features of the Site, including property boundaries and CEA soil boring locations.

The following scaled maps identify the detailed features of the Site, including property boundaries, and soil borings installed by Knoll.

Figure 6B: Knoll Soil Boring Locations – 2004
Figure 6C: Knoll Soil Boring Locations - 2005
Figure 6D: Knoll Soil Boring Locations - 2006
Figure 6E: Knoll Soil Boring Locations – 2010

Figure 7: Observation Well Locations

A scaled map identifying the Site and the surrounding properties, including property boundaries and observation well locations throughout the property.

The following scaled maps identify the detailed features of the Site, and present the results of the investigation for each potential contaminant of concern.

Figure 8: Chlorinated VOCs in Soil
Figure 9: TCE Soil Vapor Concentrations
Figure 10: Ground Water Contour Map
Figure 11: LNAPL Thickness Map
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Figure 20: Arsenic in Soils (0-1.5’/1.5’-3’/3’-6’/6’-9’)
Figure 21: Dissolved RCRA 8 Metals
Figure 22: Total Barium in Soils (0.5’-1.5’)
Figure 23: Total Barium in Soils (1.5’-3’)
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Figure 26: Lead and Cadmium in Soils (0.5’-1.5’)
Figure 27: Lead and Cadmium in Soils (1.5’-3’)
Figure 28: Lead and Cadmium in Soils (3’-6’)
Figure 29: Lead and Cadmium in Soils (6’-9’ and 9’-12’)
Figure 30: Estimated Soil Thickness Map – Lead > 300 ppm
Figure 31: Estimated Soil Thickness Map – Cadmium > 2 ppm and > 30 ppm

4.0 DISPOSAL SITE HISTORY 40.0835(4)(C)

The Property, and much of the surrounding area, has been in industrial use since approximately the mid to late 1800s. Historically, the development of industry within Worcester was partially controlled by the location of water privileges. Water privileges for this area were serviced by the Middle River located approximately 1000 feet due south of the Property.

Prior to 1877, the Property was a vacant parcel of a larger lot owned by the Washburn and Moen Manufacturing Company. In 1877, the Worcester Wire company owned the Property and in 1889 American Steel and Wire Company became the owner. From 1877 to 1942, American Steel and Wire expanded their operations and built the first building

on the Property and the adjacent Rome Building Products property. In 1910, a research lab was built on the 2 Kansas Street property. Sometime between 1910 and 1937, the existing building currently occupying the Rome Building Products was built and operated as a "Nail Mill". In 1942, the Harvey Corporation became the owner of the Property, followed by Benjamin A. Bloomfield in 1943, Babco Realty, Inc. in 1962, and Ernest W. Foster in 1986. See Section 4.1 for additional details on the industrial use of the Property that potentially resulted in the chemical impacts to the Property.

4.1 Owner/Operator and Operations History

In 1943, Mr. Benjamin Bloomfield purchased the Property and began operation of a scrap metal yard. Sometime between 1937 and 1949, the southern "Warehouse" portion of the building was added. The 1949 and 1978 Sanborn maps confirm use of the Property as a scrap metal yard during this time. No historical aerial photographs were available to confirm the extent of the scrap yard, but according to the Sanborn Maps, the boundaries were the same as the boundaries of the Property. An interview with Mr. Raymond Mierzejewski, a longtime resident who grew up as a child in the area, revealed that after World War II Mr. Bloomfield and his three sons collected drums of machine cuttings and stored them throughout the Property. In addition, batteries were collected and smashed open outside in front of the building and the lead in the batteries was removed. A smelter was located inside the building to melt the lead for re-sale. Transformers containing dielectric fluids and PCBs were also brought to the site and dismantled.

In 1986, Mr. Foster purchased the Property from Babco Realty, Inc. owned by the Bloomfield family. The Property is currently leased to Superior Waste Recycling, a recycling company for wood, cans, bottles, mattresses, clothing, etc.

4.2 Oil and/or Hazardous Material Use and Storage History

The Property contains three drums of oily solids generated from the Phase II activities. No other oil or hazardous material use and/or storage are conducted on the Property.

4.3 Waste Management History

No records exist for on-site land disposal to either landfills or lagoons. No records exist for subsurface disposal via drains or septic tanks. Evidence exists of both on-site land disposal and subsurface disposal of wastes through past site operations.

4.4 Environmental Permits and Compliance History

Knoll performed a search of Federal and State environmental databases (National Priorities List, Comprehensive Environmental Response, Compensation and Liability Information System, Resource Conservation and Recovery Act and Massachusetts 21E List) in March of 2006 as a part of the Phase II investigation. Refer to the EDR report

Executive Summary contained in Appendix A. The Site was not identified in any of these databases except in the Massachusetts 21E List.

4.5 Release History

There have been a total of five release tracking numbers (RTNs) on the Property. Below is a summary of each RTN. Refer to Figure 3, Site Boundary Map, for the RTN locations.

RTN 2- 0168 – Notification date 10/31/1985, for a release of PCBs discovered during a 21E investigation by IEP, Inc. The Property was first listed as a Disposal Site by the MassDEP in 1985, following an environmental site assessment which revealed PCBs in soil at concentrations ranging from 6 ppb to 1,400 ppb. The Site was reported to the MassDEP with non-priority classification.

RTN 2- 11634 - Notification date 3/6/1997, a 72-hour notification for a release of > 0.5 inches of LNAPL atop the ground water table. In 1997, an environmental assessment conducted by CEA revealed the presence of approximately three (3) inches of free-phase petroleum oil on the ground water in a monitoring well (MW-2A). The discovery of NAPL greater than 0.5 inches constituted a 72-hour reporting condition under the MCP.

RTN 2- 11667 – Notification date 4/3/1997, a 2-hour notification for a release of PCBs greater than the Imminent Hazard concentration of 10 ppm. Additional soil testing conducted at the Property on March 20, 1997, revealed PCBs in surficial soils (0-2') at concentrations ranging from 31.8 ppm to 7,816.2 ppm, which exceeded the Imminent Hazard concentration of 10 ppm. The identification of these concentrations of PCBs in soil triggered a 2-hour reporting condition.

RTN 2-14355 – Notification date 6/17/2002, a 2-hour notification for a release of PCBs greater than the Imminent Hazard concentration of 10 ppm. On May 1, 2002, CEA installed an observation well MW-4A(R) in the southern portion of the Property behind the building. Soil samples collected at depths of 7 to 11 feet below ground surface (bgs) were tested for PCBs, and the results revealed 4 ppm of PCBs. Another sample collected in the same area on May 30, 2002, at the depth of 0 to 1 feet below grade revealed a concentration of 42 ppm of PCBs in the soil. This triggered a second reportable condition for an imminent hazard at the Site.

RTN 2-15319 – Notification date 7/6/2004, a 120day notification for a release of PCBs located at the intersection of Kansas Street and Sherman Street. Weston & Sampson conducted a URAM beginning in 2004 for a sewer project, and closed this RTN on 3/1/2007.

5.0 SITE HYDROGEOLOGICAL CHARACTERISTICS 40.0835(4)(D)

5.1 Subsurface Investigation and Assessment 40.0835(4)(d)(1)

From 1997 to 2002, CEA installed 48 soil borings (B1-B3, S1-S12, SB2-SB6, SB1b-Sb21b, SB-1C, SWB-2C, SB-1S – SB-5S) and 11 observation wells (MW1A-MW-8A, MW-9D, MW-10, and MW-11) as part of a Phase II CSA. Refer to Figure 6A, Site Plan -CEA Soil Boring Locations 1997-2002, for soil boring locations and Figure 7, Observation Well Locations, for well locations.

From 2004 to 2010, Knoll installed a total of 190 soil borings (KB1-KB63, B64-B171, SS1-SS19) and 36 overburden wells (7 deep and 29 shallow) to define the extent and migration pathways of COPCs at the Site. The majority of the CEA soil sampling data and ground water sampling data have been rejected by Knoll for use in this investigation. Specific reference is made in this report where CEA data is used. Knoll soil boring and observation well location details are presented on Figure 6B, Site Plan – Soil Boring Locations 2004, Figure 6C, Site Plan – Soil Boring Locations 2005, Figure 6D, Site Plan – Soil Boring Locations 2006, Figure 6E, Site Plan – Soil Boring Locations 2010, and Figure 7, Site Plan – Observation Well Locations..

5.1.1 Soil Borings/Observation Well Installation

To install soil borings, Knoll used a truck mounted Geoprobe. The soil borings depths ranged from land surface (0.5 to 1.5 feet) to depths of 16 feet bgs using a clean 2-inch Geoprobe sampler equipped with a 4-foot acetate sampling sleeve and hammer drilled to depth. The soil cores were visually observed and soil types and characteristics were documented on boring logs prepared for each test boring. These logs are presented in Appendix B. Photographic logs of soil boring B-71 is contained in Appendix C.

From 2004 to 2011, 27 shallow overburden observation wells (Knoll-1 through Knoll-8, Knoll 12- Knoll-28, Knoll-35, and Knoll-36) and 9 deep overburden wells, (Knoll-9m Knoll-10, and Knoll-11, and Knoll-29 through Knoll-34) were installed at the Site to evaluate the ground water quality and extent of separate phase product (oil) atop the water table. Refer to Figure 7, Observation Well Locations, for Site details.

The shallow overburden observation wells were installed to depths ranging from 18 to 20 feet bgs using hollow stem auger drilling. These wells were completed as 1.25” diameter PVC with 0.010” slotted screen. The wells were screened from 5 feet bgs to the bottom of the well. Deep overburden observation wells were installed to the top of the bedrock surface ranging from 46 to 52 feet using a combination of hollow stem auger and casing. These wells were completed as 2” diameter PVC with 0.010” slotted screen. The wells were screened from the top of the ground water table (approximately 5 feet bgs) to the bottom of the well. The installations were in accordance with the provisions of WSC-310-91 with solid riser, a sand pack to 1’ above the screened interval, a 2’ bentonite seal

and a 6' road box. The observation wells installed in the open land area were completed with two to four foot solid risers above ground surface. Following observation well installation, the wells were developed with a dedicated Teflon bailer by repeated surging to remove the silt and fine sand to enhance the hydraulic connection between the well screen and the natural formation.

5.1.2 Sample Collection and Management

Soil samples were collected from the soil core tubes based on an assessment of the soil data previously collected (both by CEA and Knoll) and visual and olfactory evidence. Samples were collected at various depths ranging from 0.5 feet bgs to 16 feet bgs and placed in laboratory supplied soil sample jars. Samples were collected for VOC and VPH analyses in 40 ml VOA vials preserved with methanol supplied by the laboratory. Samples were collected in 8 ounce amber jars for EPH, PCB, and metal analyses. Additional soil samples were collected for moisture content determination.

Monitoring wells were sampled in accordance with the protocols presented in WSC-310-91 "Standard References for Monitoring Wells". Prior to ground water sampling, wells are developed by bailing with disposable bailers or by pumping (peristaltic or submersible pumps). During development, either a minimum of three (with stabilization of pH, conductivity & temperature) to a maximum of five well volumes (volume of well screen and surrounding gravel pack below the groundwater table) are rapidly removed from the well or the well is bailed dry, whichever occurs first. The wells are then allowed to recharge either to a minimum of 80% of their original level or for one half hour, whichever comes first.

Ground water samples are then collected with either a dedicated disposable bailer or from a specific depth interval (25', 45') using a bacon bomb sampler. Disposable sampling equipment (i.e. bailers, low flow tubing, etc.) is used whenever possible to eliminate potential cross-contamination and the need for decontamination. Ground water samples were collected in two 40 milliliter (ml) sample vials preserved with hydrochloric acid (HCl) for VPH and VOC analyses and in one liter amber jars preserved with hydrochloric acid for EPH analyses. Ground water samples collected for dissolved metals were field filtered through 0.4 micron membrane and then were collected in plastic containers with nitric acid as the preservative.

Chain-of-custody forms were completed documenting each sample collected, the sample preservation method, and the analysis required. The samples were then stored in coolers filled with ice (4° C) and were transported to New England Testing Laboratories, Inc. (NETL) at the end of the sampling event for the analyses listed and summarized in the Table below.

Field screening of soil vapor samples was conducted over a 1 to 3 minute cycle (or until stabilization) with a mini RAE system PID calibrated to TCE with a 1 ppb detection limit.

5.1.3 Soil and Ground Water Investigation Results

Weston & Sampson Utility Related Abatement Measure (URAM) (RTN 2-15319)

Beginning in 2004, Weston & Sampson conducted a Utility Related Abatement Measure (URAM) (RTN 2-15319) for a sewer project, and closed the RTN on 3/1/2007. The following is a summary of the URAM including the soil and ground water results, some of which are used in this Phase II CSA report.

On July 29, 2004, Weston and Sampson submitted a URAM Plan to the MassDEP to conduct pre-characterization of the Site, followed by soil excavation and disposal, and ground water remediation. Between August 5 and 9, 2004, Weston and Sampson conducted soil borings in the vicinity of utility junction chambers 1 and 2 located at the intersection of Sherman and Kansas Streets. The majority of borings were conducted on and in Sherman and Cambridge Streets. Three borings were installed on the 2 Kansas Street Property. Refer to Figure 5, Site Plan Weston & Sampson RTN 2-15319, for boring and observation well locations. Refer to Appendix D, for a copy of the analytical data tables.

In the vicinity of junction chamber 1, borings DCR 1-1, DCR 1-2, DCR-1-3 were advanced to 20 feet bgs. Soil samples were collected at various depths and analyzed for PCBs. The results are summarized in Tables 1-5 in Appendix D. The results revealed that PCBs were not detected in any of the samples except one, DCR-1-1 (0 to 2.5 feet bgs) which contained 2.54 ppm.

Soil borings DCR-6 and DCR-7 were advanced inside the Property building. Soil samples were sampled at intervals of 2 to 4 feet down to 25 feet bgs and were analyzed for PCBs. The results for boring DCR-6 revealed 9.64 ppm at 0-2 ft., non-detect at 2-4 ft., 0.732 at 4-6 ft., and non-detect from 6-25 ft. The results for boring DCR-7 revealed 191 ppm at 0-2 ft., 0.211 ppm at 4-6 ft., non-detect at 6-8 ft. and 8-10 ft., 13.1 ppm at 10-12 ft., non-detect at 12-14 ft., 14.3 ppm at 14-16 ft., and non-detect from 16-25 ft.

Soil boring DCR-1-2 was completed as an observation well. Ground water samples were collected for EPHs and PCBs and revealed not detected.

Excavation dewatering was conducted that involved treating the water with oil absorbent boom, franc tank, filters, and carbon canisters prior to its discharge to a nearby sewer manhole. On October 13, 2004, treatment influent and effluent samples were collected and analyzed in accordance with an approved permit from the Upper Blackstone Regional Wastewater Treatment Plan. PCBs were not detected in either influent or effluent samples.

A total of 432.19 tons of PCB contaminated soil greater than 1 ppm was excavated from Junction Chamber 1 and 2 located at the intersection of Sherman and Kansas Streets.

The excavated soil was transported and disposed of at the Wayne disposal facility in Belleville, Michigan and CWM Chemical Service facility in Model City, NY.

Corporate Environmental Advisors (CEA) 1997 - 2002

A limited amount of CEA data was used in this report. However, it is discussed where relevant and Figure 6A presents the boring locations for their investigation.

Knoll Environmental Phase II CSA 2004 - 2011

Knoll's Phase II CSA study of the entire Property was initiated in 2004. Soil, ground water, and soil vapor samples were collected from 2004 to 2011 as described above in Section 5.1.2. The findings are presented in Tables 1 through 17, and the results are discussed below. The laboratory analytical reports are included in Appendix E.

Soil

Polychlorinated Biphenyl Compounds (PCBs)

On July 21, 2004, Knoll conducted soil borings in the northern portion of the Site, the open land between the parking area and Cambridge Street, to assess the level of PCBs in the top 0-12 inches for the purpose of determining if an Imminent Hazard exists. The Site was divided into an approximate 20 foot grid system with a total of fifty-eight (58) soil borings, KB-1 through KB-58. 32 of these 58 soil boring locations were co-located with CEA Phase II soil sample locations. Two soil borings, KB-59 and KB-60, were conducted at the rear of the Site building. Refer to Figure 6B, Site Plan – Soil Boring Locations 2004, for soil sampling locations. Table 1, Summary of Soil Analytical Data-2004 PCBs 0-12 inches, presents the sampling results. Referring to Table 1, 59 of the 60 samples had results above the 2 ppm Method One standard, and they ranged from 1.79 ppm (KB-53) to 6650 ppm (KB-29). 13 sample locations exceeded the Upper Concentration Limit (UCL) of 100 ppm. One soil boring location, KB-23, contained PCB aroclors 1016/1242 and 1254; both above UCL concentrations.

On December 17, 2004, Knoll conducted continuous soil borings to a depth of 12 feet bgs at four locations sampled on July 2, 2004 to determine the vertical profile of PCB concentrations. Soil samples were collected from 4–8 feet bgs at boring locations KB-9, KB-11, KB-29, and KB-35. In addition, borings were also conducted at KB-61, KB-62, KB-63, B-71 and B-72 to assess the extent. Refer to Figures 6B and 6C for soil sampling locations. Table 2, Summary of Soil Analytical Data – 2004 PCBs 0-12 feet, presents the soil sample results. Referring to Table 2, three of the four samples collected at 4 – 8 feet had PCB concentrations above the 2 ppm standard. Only KB-11 did not contain PCBs above the standard. All five of the other borings contained concentrations of PCBs above the 2 ppm standard at 0-4 feet bgs. However, no PCBs were detected in samples

collected from B-71 and B-72 at depths of 7-12 feet and 9–12 feet respectively. One sample location (KB-61) exceeded the UCL concentrations at 0-4 feet bgs.

On June 22 and June 27, 2005 and July 21, 2005, Knoll conducted 31 soil borings, B-64 through B-89, Knoll-5, and Knoll-7, to depths of 16 feet bgs to further assess the horizontal and vertical extent of the PCB contamination on the Property. Borings B-64 to B-76 were installed at the northern portion of the Property; borings B-77 to B-85, Knoll-5, and Knoll-7 were installed in front of the building in the central part of the Property; borings B-86 through B-88 were installed at the side of the building adjacent to the railway tracks; and borings B-91 through B-94 were installed inside the building. Refer to Figure 6C, Site Plan – Soil Boring Locations 2005, for soil sampling locations. Table 3, Summary of Soil Analytical Data-2005 PCBs at Depth, presents the sampling results. Referring to Table 3, two sample locations, B-70 (0-4') and B-73 (0-6') exceeded the UCLs. At almost all locations, the deepest samples collected did not contain detectable levels of PCBs or the concentrations were less than 2 ppm.

In 2006, Knoll conducted four PCB sampling events and installed soil borings, B-95 through B-114 to delineate the vertical and horizontal extent of the PCB contamination. Refer to Figure 6D, Site Plan – Soil Boring Locations 2006, for soil sampling locations. The boring logs are presented in Appendix B. The results are summarized in Tables 4 and 5.
In an assessment of the data collected to date, Knoll made several conclusions:

- the PCB contamination was widespread across the Property and in the surrounding area;

- PCBs were found from ground surface to a maximum depth of approximately 12 feet bgs.

- The PCBs on the Property were found at elevated concentrations on the surface which generally decreased at depth. This is consistent with surficial deposition which would be expected at the former salvage yard.

- Off-site, PCBs were present at the ground surface and at depth in a random pattern. Sometimes the PCBs were at the ground surface and not at depth (i.e., boring B-71) and sometimes the PCBs were not at the surface but were present at depth (i.e., boring BG2, BG5, and BG6 on the adjacent Rome Building Products property). This pattern is consistent with PCBs being present in the soil used to fill the area for development (see Background Soil below for further information).

As a result, subsequent PCB investigations were focused solely on the Property and for the purpose of defining the vertical and horizontal extent in the soils.

Borings B-95 to B-98 are located in the right of way, boring B-99 is located inside the building, and borings B-100, B-105, and B-106 are located at the rear of the building. Borings B-95, 96, 97, and 98 were advanced to a depth of 2 feet bgs where refusal was encountered on a concrete pad. Boring B-100 was advanced to a depth of 18 feet bgs and completed as observation well Knoll-19. Borings B-105 and B-106 were advanced to a depth of 12 feet bgs. Borings B-104 and B-107 were installed at the western side of the building adjacent to railway tracks to a depth of 12 feet bgs. The boring logs are presented in Appendix B. The results are summarized in Table 4.

Referring to Table 4, PCBs exceeded the soil standards of 2 ppm in boring B-99 (18.4 ppm), boring B-101 (3.71 ppm), and boring B-108 contained 136 ppm, above the UCLs of 100 ppm. The other borings contained less than 2 ppm, one was non-detect.

On December 20, 2006, Knoll advanced seven borings, B-108 through B-114, beneath the asphalt paved area in front of the building (See Figure 6D). Borings were advanced to the depth of 12 feet bgs. Soil cores were collected in 4-foot long soil cores and screened visually onsite for PCB impacted soil. Samples were collected from the cores at a depth of approximately 0.3 feet to 1.5 feet bgs for PCB analysis. Table 5 present a summary of soil analytical data. The results revealed PCBs exceeding 2 ppm in B-108 (136 ppm), B-109 (11.1 ppm), B-110 (51.1 ppm), and B-111 (12.9 ppm). Borings B-112, B-113, and B-114, collected adjacent to the building contained non-detectable to low levels (<2 ppm) of PCBs.

In 2010 and 2011 Knoll conducted soil borings B-123, B-126, and B-137 through B-171 to assess the PCB concentrations in soil from ground surface to 12 inches bgs. Refer to Figure 6E, Site Plan – Soil Boring Locations 2010, for boring locations and Table 6 for a summary of the analytical data. Refer to Section 7.4 for an assessment of the extent of the PCB contamination.

VOCs

On August 29, 2006, Knoll conducted ten borings, SS-1 through SS-10, from 0.3-1.5 feet bgs in the northern portion of the Site, the area between the Property building and Cambridge Street. On December 20, 2006, Knoll conducted two borings, SS-18 and SS-19, from 0-3 feet and 2-4 feet bgs, respectively. Following a review of these results, on September 28, 2010 Knoll conducted three soil borings, B-132, B-133, and B-134 from 0-3’ bgs. The borings were collected in 4-foot long soil cores and screened visually onsite for VOCs impacted soil for analysis via EPA Method 8260B. The results are presented in Table 7, and the laboratory analytical data is presented in Figure 8, Chlorinated VOCs in Soils. Referring to Table 7 and Figure 8, elevated concentrations of chlorinated VOCs were found in and around the former transformer area (borings B-132, B-133, B-134, and SS-6), in and around borings SS-8 and SS-18, and in boring SS-2.

To further assess the extent of the VOC contamination, on December 10, 2010, Knoll conducted a soil gas survey with a mini RAE PPB PID calibrated to TCE. The soil vapor

samples were collected via Geoprobe. A one inch diameter 0.010 slot PVC pipe was installed approximately 3 to 4 feet bgs. The pipe was screened to 6" bgs and sealed at ground surface with bentonite. A poly tube was attached to the top of the pipe and a mini RAE system PID calibrated to TCE with a 1 ppb detection limit was attached to the poly tubing. The highest reading was recorded over a 1 to 3 minute cycle, or until stabilization of the reading. Figure 9, TCE Soil Vapor Concentrations, maps the soil vapor concentrations throughout the known areas that contained elevated concentrations in the soil from previous soil sampling and laboratory data. The two investigation methods correlated well in highlighting the impacted areas

Extractable Petroleum Hydrocarbons (EPHs) and
Volatile Petroleum Hydrocarbons (VPHs)

On August 8, 2006, Knoll conducted ten borings, SS-1 through SS-10 in the area between the Property building and Cambridge Street. Refer to Figure 6D, Site Plan – Soil Boring Locations 2006, for Site details and boring locations. The borings were advanced to a depth of 1.5 feet bgs, and soil was collected for VPH and EPH analysis. The results are presented in Table 8, Summary of EPH and VPH Soil Analytical Data. The laboratory analytical data is presented in Appendix E. Low levels of VPHs were detected in surficial soil below the S-1(GW-2/GW-3 standards) with the exception of boring SS-8 located in the middle of the Property on the eastern boundary. SS-8 contained 427 ppm of C5-C8 aliphatics exceeding S-1(GW-2/GW-3) standards. The EPH carbon range results indicate that elevated levels of EPHs were detected in borings SS-3, SS-4, and SS-8 exceeding the S-1(GW-2/GW-3) and/or S-2(GW-2/GW-3) standards. The highest levels of EPHs were detected in SS-8 with 3,950 ppm of C11-C22 aromatics. Non-detectable to low levels of target PAHs were detected across the Site with the exception of boring SS-3 located at the northern portion of the Site. In SS-3, the levels of benzo(a)pyrene and dibenzo(a,h)anthracene exceed the S-1(GW-2/GW-3) standards.

RCRA 8 Metals

On August 29, 2006, Knoll conducted nine borings, SS-1 through SS-9, from 0.3-1.5' bgs in the area between the Property building and Cambridge Street and analyzed them for arsenic (As), barium (Ba), cadmium (Cd), chromium(Cr), lead (Pb), mercury (Hg), selenium (Se), and silver (Ag). The results, summarized in Table 9 indicated that As, Cd, Cr, and Pb were detected at levels above the S1 standards.

Based on the results, on December 20, 2006, Knoll conducted 12 borings and collected soil samples at discrete depth intervals at boring SS-3, SS-5, SS-7, SS-8 and SS-9; and at eight new boring locations SS-11 through SS-17 and collected soil samples from 0.5-1.5' and 1.5'-3'. From land surface to 0.5' bgs the soils are medium to coarse gravels and fill. The borings were collected in 4-foot long soil cores and screened visually onsite for impacted soil for analysis via EPA Method 6010B. The results are presented in Table 9, Summary of Soil Analytical Data - RCRA8 Metals - 2006, and the laboratory analytical data is presented in Appendix E.

On September 10, September 29, and December 10, 2010, and January 4, 2011, Knoll conducted 18 soil borings to 9 feet bgs and collected soil samples at discrete depth intervals. All borings were collected in 4-foot long soil cores for analysis via EPA Method 6010B. The results are presented in Tables 10 and 11, Summary of Soil Analytical Data - RCRA8 Metals - 2010-11. Refer to Figure 6E, Site Plan – Soil Boring Locations 2010, for Site details and boring locations.

Arsenic

Referring to Table 9 and Figure 6D, arsenic concentrations were all below the S-1 and S-2 standards (20 ppm) with the exception of seven boring locations, SS-5 (0.3-1.5') at 21 ppm (S1/GW2/3 Standard is 20 ppm), SS-8 (0.3-1.5') at 22 ppm, SS-9 (0.3-1.5') at 20 ppm, SS-9 (2-4') at 25 ppm, SS-11 (0.5-1.5') at 56 ppm and (1.5- 3.0') at 21 ppm, SS-13 (0.3-1.5') at 51 ppm, and SS-14 (0.5-1.5') at 30 ppm.

Referring to Tables 10 and 11 and to Figure 6E, arsenic concentrations were all below the S-1 and S-2 standards with the exception of three soil boring locations, B-137 (0.5-1.5') at 37.4 ppm, B-142 (3-6') at 37.6 ppm, and B-170 at (1.5-3') at 28.6 ppm.

Barium

Referring to Table 9 and Figure 6D, barium concentrations were all below the S-1 and S-2 standards with the exception of two boring location, SS-11 (0.5-1.5') at 1,930 ppm (S1/GW2/3 Standard is 1,000 ppm) and SS-13 (0.3-1.5') at 2,170 ppm

Referring to Tables 10 and 11 and Figure 6E, barium concentrations were all below the S-1 and S-2 standards. The 1000 ppm standard was approached at two boring locations, B-165 (0.5-1.5') at 952 ppm and B-166 (0.5-1.5') at 999 ppm.

Chromium

Referring to Table 9 and Figure 6D, chromium concentrations exceeded the S-1 and S-2 standards for chromium total (i.e., the Cr+6 standard when the chromium species is unknown) at all sampling locations with the exception of SS-1 (0.3-1.5'), SS-6 (0.3-1.5'), SS-12 (0.5-3'), and SS-15 (0.3-1.5'). None of the locations exceeded the Cr+3 standard of 1000 ppm. Soil borings SS-5, SS-8, and SS-9 contained the highest concentrations of Total chromium, 266 ppm, 227 ppm, and 196 ppm, respectively. As a result, Knoll requested Cr+6 analyses for samples collected from boring locations SS-5 (0-1.5'), SS-8 (0.3-1.5'), and SS-9 (0.3-1.5'). The results revealed non-detect. Knoll concluded that the chromium was present at Cr+3. The 1000 ppm standard applies, and all results to date are below the standards. Referring to Table 10 and to Figure 6E, chromium concentrations were all below the S-1 and S-2 standards.

Lead and Cadmium

Past land use history at the Site indicated lead batteries were dismantled, and therefore

lead and cadmium are evaluated together. Referring to Table 9 and Figure 6D, lead and cadmium concentrations exceed the S-1 and S-2 standards and or UCL standards at all of the boring locations, with the exception of boring locations SS-1 and SS-2. The data indicate the Cd and Pb concentrations are positively correlated.

Referring to Tables 10 and 11 and Figure 6E, lead and cadmium concentrations were all above the S-1 and S-2 standards and/or UCLs with the exception of seven soil boring locations, B-129, B-130 (Pb only), B-131, B-137 (Pb only), B-141, and B-143.

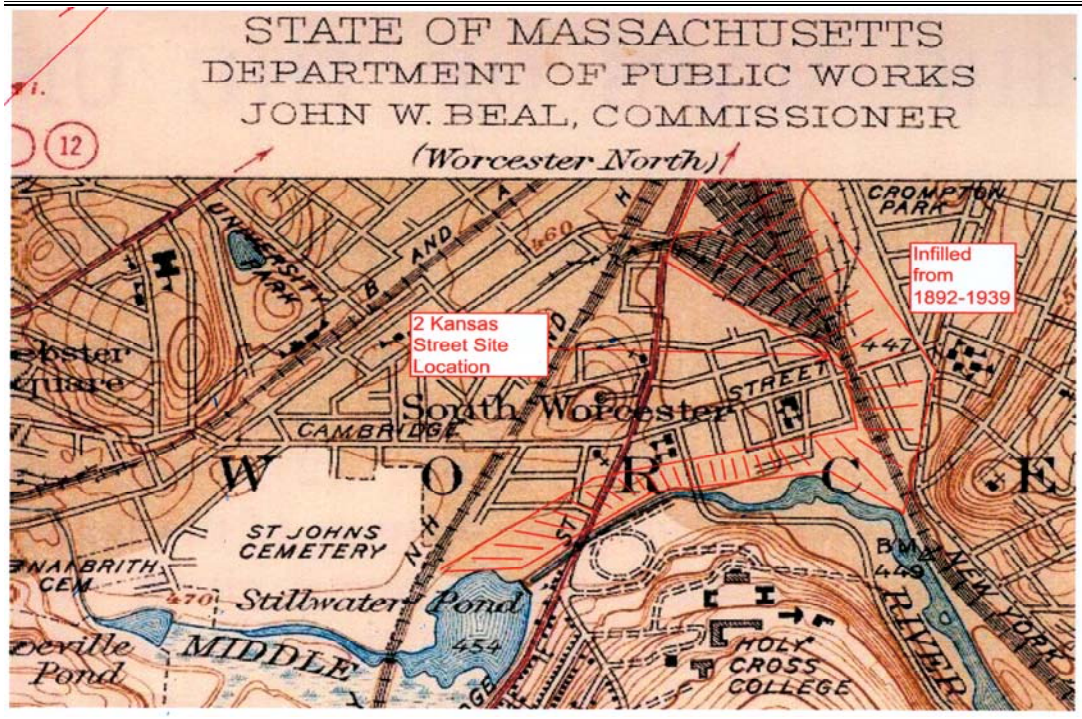
Mercury

Referring to Table 9 and Figure 6D, mercury concentrations were all below the S-1 and S-2 standards.

Referring to Table 10 and Figure 6E, mercury concentrations were all below the S-1 and S-2 standards with the exception of boring B-171 (1.5'-3') at 45.3 ppm.

Background Soil

The banks of the Middle River and the land now occupied by the railroad yard, Kansas Street, and surrounding properties were gradually infilled to construct the railroad tracks and form a bridge over Cambridge Street. The Site and adjacent properties are underlain by 8 to 15 feet of fill materials from locally derived sources. The Property is bordered on the north by a retaining wall at Cambridge Street which drops in elevation from two feet at the corner of Kansas Street and Cambridge Street to a maximum of 12 – 15' below the elevation of the Site on the northeast corner beneath the railroad bridge. The Property is bordered on the east side by railroad tracks at an elevation of 6' above the Site at the northeast corner and at one to two feet at the southern corner of the Site with a retaining wall running the length of the property boundary. In the area of the railroad yard, a small tributary to the Middle River with a pond and associated wetlands was filled in to accommodate the expansion of the railway to the north of the Property. Small hills of fill were also brought in for the construction of I-290 to the east and south of the Property. Below is a topographic map showing the land areas that were infilled (red hatch areas) to accommodate the expansion of the area from 1892-1939.



Soil testing conducted from 2006-2010 revealed PCBs located beneath the addition to the building at 2 Kansas Street that was constructed sometime between 1937 and 1949 (i.e., before the salvage yard operation at the Property). In addition, soil data from the adjacent Rome Building Products property indicates the fill contains PCBs at 10-12' bgs. These fill materials were used to level off the land prior to construction of the building. PCB concentrations in several boring locations indicated that the surface soil did not contain PCBs, but PCBs were present at depth. For example, soil boring DCR-7 conducted by Weston & Sampson revealed a surficial PCB concentration from 0.2 ppm to non-detect but at 10-12 feet bgs it was 10-13 ppm. The sewer line, constructed in and around 1942, also contains PCBs to a depth of 12 feet bgs. This is consistent with PCBs being present in the soil used as fill material. It is not consistent with surficial deposition.

Ground Water

Ground water occurs in two aquifers beneath the Site, the bedrock aquifer and the overlying unconsolidated overburden aquifer. Seventy one ground water samples were collected to characterize the overburden aquifer and no samples were collected from the bedrock aquifer. The ground water quality was characterized in the horizontal and vertical dimensions for PCBs, SVOCs, VOCs, EPH/VPH compounds, and dissolved RCRA 8 Metals. In addition, the shallow ground water aquifer was characterized for Light Non-Aqueous Phase Liquid (LNAPL) or oil floating atop the water table. Refer to Figure 7 for observation well locations. Refer to Appendix B for observation well construction reports.

On December 15, 2004, Knoll installed four observation wells (Knoll-1, 2, 3, and 4) via the hollow stem auger method to characterize the extent of the LNAPL plume atop the shallow ground water table at MW-2A. The observation wells were installed to 20 feet bgs, approximately 10 to 15 feet below the water table surface. The wells were developed by manual bailing and surging and on December 22, 2004, Knoll sampled the ground water. The results are presented below under *LNAPL*.

On June 21, 2005, Knoll installed seven observation wells at the Site. Four shallow wells, Knoll-5 through Knoll-8, were installed in the next concentric circle outward around Knoll-1 to 4 to determine the extent of the LNAPL plume. These wells were completed to a depth of 18 feet bgs. . Three deep overburden observation wells, Knoll 9 through Knoll-11, were installed along a south to north transect in the northern open land portion of the Site to determine the horizontal and vertical extent of trichloroethylene detected in previous investigation by CEA in observation well MW-1 and MW-8A. The observation wells were installed to the top of the bedrock surface at depths of between 45 and 50 feet bgs.

On July 24-5, 2005, Knoll installed seven shallow observation wells, Knoll-12 through Knoll-18, to define the extent of the LNAPL and associated dissolved EPH plume at the Site. The observation wells were completed to 18 feet bgs, approximately 10 to 15 feet below the water table surface.

On January 13, 2006 Knoll installed one observation well, Knoll-19, at the rear of the Property building to replace the destroyed observation well MW-4 installed by CEA. The observation well was completed to 18 feet bgs, approximately 10 to 15 feet below the water table surface.

On July 9, 2006 Knoll installed one observation well, Knoll-20, at the northern corner of the Property in the open land area to delineate the EPH plume. The observation well was completed to 18 feet bgs, approximately 10 to 15 feet below the water table surface.

On December 14, 2006, Knoll installed five observation wells, Knoll-21 through Knoll-25, to further define the limits of both EPHs and VOCs in the Site ground water. The observation wells were completed to 18 feet bgs, approximately 10 to 15 feet below the water table surface.

On November 9-10, 2010 and December 14, 2006, Knoll installed five observation wells, Knoll-21 through Knoll-25, to further define the limits of both EPHs and VOCs in the ground water. The observation wells were installed to 18 feet bgs, approximately 10 to 15 feet below the water table surface.

From November of 2009 to November of 2010, Knoll installed eleven observation wells. Observation wells Knoll-26, Knoll-27, Knoll-28 and Knoll-36 were installed to a depth of 18 feet bgs to determine the extent of the EPH plume. Five deep overburden observation wells, Knoll 29 through Knoll-34, were installed upgradient, downgradient, and side

gradient to further define the horizontal and vertical extent of chlorinated solvents in the ground water. The observation wells were installed to the top of the bedrock surface at depths of between 45 and 50 feet bgs. Observation wells Knoll-35 and Knoll-36 were completed to a depth of 18 feet bgs to determine the ground water quality for dissolved metals and EPH, respectively.

LNAPL

Observation wells were monitored from December of 2004 through December of 2010, and the depth to oil and ground water was measured with an oil/water interface probe to determine the thickness of oil to within 1/10th of an inch. The oil resembles a light amber color similar to motor oil with a moderate viscosity. The thickness of the oil measured varied seasonally with the depth to ground water and the rain events. The following observation wells contained LNAPL in varying thicknesses over this time period; Knoll-7, Knoll-11, Knoll-26, Knoll-27, and MW-2A. Figure 11, LNAPL Thickness Map, shows the estimated areal distribution of LNAPL and oil thickness.

Extractable Petroleum Hydrocarbons

On December 22, 2004, ground water samples were collected from observation wells Knoll-2 and Knoll-3 and analyzed for EPHs via MADEP Method One. The results of the EPH analyses are summarized in Table 12, Summary of Ground Water Analytical Data – EPHs -2004-2010. The laboratory analytical reports are contained in Appendix E. The results indicated elevated concentrations of C19-C36 aliphatics in both wells exceeding the GW-3 standard, and elevated concentrations of C9-C18 aliphatics exceeding GW-2 standard in observation well Knoll-3.

On June 27, 2005, ground water samples were collected from observation wells Knoll-1, Knoll-4, Knoll-5, Knoll-6, Knoll-7, and Knoll-8 and analyzed for EPHs via MADEP Method 1.0. Referring to Table 12, Knoll-1 and 4 contained non-detect to low levels of EPHs. Knoll-5 contained EPHs below the standards. Knoll 7 and 8 contained EPHs at levels exceeding the GW-2 and/or GW-3 standards. Knoll-6 revealed all three carbon fractions (C9-C18 aliphatic, C19-36 aliphatic and C11-C22 aromatic) above the Upper Concentration Limits.

On August 8, 2005, ground water samples were collected from observation wells Knoll-10, and Knoll-12 through Knoll-18, and analyzed for EPHs. The results are summarized in Table 12. The results indicate that the concentration of EPHs in all observation wells were non-detect with the exception of low levels in Knoll-13 and Knoll-15 below the GW-2 and GW-3 standards.

On January 19, 2006, a ground water sample was collected from observation well Knoll-19 and analyzed for EPHs. The results are summarized in Table 12 and revealed non-detect.

On September 7, 2006, a ground water sample was collected from observation well Knoll-20 and analyzed for EPHs. The results are summarized in Table 12. The results indicate that the concentration of EPHs were below the GW-2 and GW-3 standards.

On January 2, 2007, ground water samples were collected from observation wells Knoll-21 and Knoll-22 and were analyzed for EPHs. The results are summarized in Table 12. The results indicate that the concentration of EPHs in observation well Knoll-21 were non-detect and the levels of EPHs in Knoll-22 were below the GW-2 and GW-3 standards.

On September 13, 2010, ground water samples were collected from observation wells Knoll-25 and Knoll-26 and analyzed for EPHs. The results are summarized in Table 12. The results indicate that the concentration of EPHs was 164 ppb C11-C-22, non-detect for the other fractions, and non-detect in Knoll-26.

On December 13, 2010, ground water samples were collected from observation wells MW-5A, Knoll-9, Knoll-11, and Knoll-36 and were analyzed for EPHs. The results are summarized in Table 12. The results indicate that the concentration of EPHs in observation wells MW-5A and Knoll-36 were non-detect, and the levels of EPHs in Knoll-9 and Knoll-11 were below the GW-2 and GW-3 standards.

On September 23, 2011, ground water samples were collected from observation well Knoll-23 and analyzed for EPH compounds via MADEP Method 1.0. The results are summarized in Table 12. The results indicate that the concentration of EPHs was 774 ppb C19-C-36, 168 ppb C11-C22, and non-detect for C9-C18 aliphatics.

PCBs

PCBs have low water solubilities 0.0027-0.42 ng/L, but they have high solubilities in most organic solvents, oils, and fats. So, Knoll collected ground water samples from observation wells in the area of the LNAPL plume. On December 22, 2004, a ground water sample was collected from observation well MW-2A because it had the highest known concentrations of LNAPL at the time and analyzed for PCBs via EPA Method 8082. The results are summarized in Table 13, Summary of Ground Water Analytical Data – PCBs. The results revealed 5.69 ppb of PCB aroclors 1016/1242 which exceeds the GW-2 standard of 5 ppb, and 143 ppb PCB aroclor 1254 which exceeds the UCL of 100 ppb. On January 11, 2005, a ground water sample was collected from observation well Knoll-4 and analyzed for PCBs via EPA Method 8082. The results are summarized in Table 13 and revealed non-detect.

On September 7, 2006, a ground water sample was collected from observation wells Knoll-1, Knoll-2, Knoll-8, and Knoll-11. The results revealed non-detect in Knoll-1, 0.4 ppb aroclor 1232 in Knoll-2 which is below the standards, 362 ppb aroclor 1254 in Knoll-8 which exceeds the UCL of 100 ppb, and 0.8 ppb aroclor 1254 in Knoll-11 which is below the standards.

Observation well MW-4A, located at the rear of the Property, was destroyed during a URAM conducted in June 2004 by the Massachusetts Department of Conservation. On January 13, 2006, a replacement well, Knoll-19, was installed. A ground water sample was collected and analyzed for PCBs via EPA Method 8082. Table 13 presents a summary of the ground water analytical data and revealed not detect.

On January 2, 2007, a ground water sample was collected from observation well Knoll-11 and analyzed for PCBs via EPA Method 8082. The results are summarized in Table 13 and revealed non-detect.

On September 23, 2011, ground water samples were collected from observation wells Knoll-16 and Knoll-18 and analyzed for PCBs via EPA Method 8082. The results are summarized in Table 13 and revealed non-detect for Knoll-16 and 1.42 ppb PCB aroclor 1254, below the standard of 2.0 ppb.

RCRA 8 Metals

On January 2, 2007, a ground water sample was collected from observation well MW-6A and Knoll-15 and analyzed for dissolved metals via EPA Method 6010B. The results are summarized in Table 14 and revealed non-detect for all compounds except for barium and selenium, well below the standards.

On December 28, 2010, a ground water sample was collected from observation well Knoll-16 and Knoll-35 and analyzed for dissolved metals via EPA Method 6010B. The results are summarized in Table 14. Referring to Table 14, Knoll-16 contained lead at 217 ppb, above the UCL of 150 ppb. All other compounds were well below the standards or non-detect. Observation well Knoll-35 contained 5 ppb Cadmium, above the GW-3 standard of 4 ppb, and 137 ppb lead, above the GW-3 standard of 10 ppb. All other compounds were non-detect with the exception of 285 ppb of barium which is well below the standard.

On September 23, 2011, ground water samples were collected from observation wells Knoll-14, Knoll-17, Knoll-23, Knoll-30, Knoll-36, and MW-5A and analyzed for Pb and Cd via EPA Method 6010B. The results are summarized in Table 14. The results indicate that the concentration of lead exceeded the UCLs in all wells, except for MW-5A which exceeded the GW-3 Method One standard.

On September 30, 2011, ground water samples were collected from observation wells Knoll-18, Knoll-22, Knoll-32, Knoll-33, and Knoll-36 and analyzed for Pb and Cd via EPA Method 6010B. The results are summarized in Table 14. The results indicate that the concentration of lead exceeded the standards in all wells and exceeded the UCLs in Knoll-18 and Knoll-33. Knoll-36 was sampled twice and exceeded the standards on both sampling events. One sampling event exceeded the GW3 standard and one sampling event exceeded UCLs.

SVOCs

On January 2, 2007, a ground water sample was collected from observation well MW-2A and analyzed for SVOCs via EPA Method 8270C. The results are summarized in Table 14 and revealed non-detect for all compounds.

VOCs

Ground water samples were collected from 15 feet to 20 feet bgs in select observation wells (depending upon the total depth of the well) and at 45 feet to 50 feet bgs. The samples were collected at these discrete depths to measure the concentration gradients of the dense non-aqueous phase liquid (DNAPL), the chlorinated VOC concentrations. On June 27, 2005, ground water samples were collected from observation wells Knoll-9, Knoll-10, and Knoll-11 at 15' bgs and at 45-50' bgs and analyzed for VOCs via EPA Method 8260. The results are presented in Table 16, Summary of Ground Water Analytical Data – VOCs. Referring to Table 16, observation well Knoll-9 revealed non-detect for all compounds. Observation well Knoll 10 revealed 27.2 ppb at both depths for cis 1,2 DCE, below the GW-2 standard of 100 ppb, and 197 to 199 ppb of TCE at 15 and 45' bgs, above the GW-2 standard of 30 ppb. (The lab report was checked for accuracy given the close values and no discrepancies were found.) Observation well Knoll-11 revealed 75.7 ppb to 90.9 ppb of MTBE at 15 and 50' bgs, well below the standards.

On January 2, 2007, ground water samples were collected at the bottom of the well (18') from observation wells Knoll-23, Knoll-24, and Knoll-25 and analyzed for VOCs via EPA Method 8260. Referring to Table 15, observation well Knoll-23 contained 4.8 ppb of cis 1,2 DCE (below the standards) and 110 ppb of TCE which is above the GW-2 standard of 30 ppb. Observation well Knoll-24 revealed non-detect for all compounds. Observation well Knoll-25 revealed 9,300 ppb cis 1,2 DCE, 4,400 ppb of TCE, and 600 ppb of VC, all above the respective GW-2 standards. In addition, Knoll-24 contained several other chlorinated solvents and benzene at concentrations well below the standards.

On September 13, 2010, ground water samples were collected from observation wells Knoll-29, Knoll-30, Knoll-31, Knoll-32, Knoll-33, and Knoll-34 at 20' bgs and at 45' bgs and analyzed for VOCs via EPA Method 8260. Referring to Table 15, observation wells Knoll-29, Knoll-30, Knoll-31, and Knoll-34 revealed non-detect for all compounds with the exception of low ppb concentrations of MTBE well below the standards. Observation wells Knoll 32 and Knoll-33 revealed low ppb concentrations of cis 1,2 DCE well below the GW-2 standard of 100 ppb. Observation well Knoll-33 (20' bgs) also contained 4.4 ppb TCE, well below the standards. In addition, all three wells contained low ppb concentrations of MTBE well below the standards.

On December 20, 2010, ground water samples were collected from observation well Knoll-10 at 20' and 45' bgs. Referring to Table 15, cis 1,2 DCE was 33 ppb to 44 ppb at 20' and 45' bgs respectively, PCE was 7.2 ppb to 8.7 ppb which were below the

standards. TCE was 330 ppb and 360 ppb at 20' and 45' respectively both of which are above the GW-2 standard of 30 ppb.

Background Ground Water

The direction of ground water flow beneath the Site is from the south-southwest to the north-northeast toward Cambridge Street. Ground water samples which are in the upgradient direction of the local ground water flow were collected from observation wells Knoll-31, Knoll-32, MW-3, MW-4AR, and DCR-1-2, DCR-2-3, DCR-3-2, DCR-4-1, and DCR-4-3. These wells represent the background concentration for the Site. The VOCs background ground water contained low ppb concentrations of MTBE (Knoll-31, Knoll-32, and Knoll-34, see Table 15). The background for dissolved RCRA 8 metals was non-detect for all compounds in DCR-1-2, 2-3, 3-2, 4-1, and 4-3, except for low ppb concentrations of barium (see Table 14). The background for EPH and VPH (observation well DCR-1-2, 2-3, 3-2, 4-1, and 4-3) is non-detect for all compounds (see Table 4, Appendix D). The background for PCBs in ground water (observation well DCR-1-2, 2-3, 3-2, 4-1, 4-3, and MW-4AR) is non-detect for all Aroclors (see Table 4, Appendix D and Table 13).

Ground water occurs at 5 to 8 feet bgs, (i.e., less than 15 feet bgs) but VOCs were not detected in observation wells located within 30 feet of the occupied building. For this reason, the potential for vapor intrusion was not evaluated.

5.2 Documentation 40.0835(4)(d)(2)

From 2004-2011, Knoll conducted an investigation to analyze the subsurface conditions to determine the extent of PCBs, VOCs and metals in soil and ground water on the Property. Appendix B contains copies of the soil boring logs and observation well reports.

Tables 1 through 15 provide a summary of soil and ground water sample results. Appendix E contains copies of the laboratory reports and chain of custody documentation pertinent to each soil and ground water sample collected during the Phase II investigation.

5.2.1 Representativeness Evaluation and Data Usability Assessment

The analytical and environmental monitoring data presented in this report was reviewed to ensure it is scientifically valid and defensible and of a level of precision and accuracy commensurate for use under the MCP and that it meets the presumptive certainty requirements. The review was conducted in accordance with the MADEP guidance document Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data in Support of Response Actions Conducted Under the Massachusetts Contingency Plan (MCP) (WSC-CAM-VII A), July 1, 2010. The criteria

used to assess the quality assurance and quality control (QA/QC) are: precision, accuracy, representation, completeness, comparability, and sensitivity (PARCCS).

Following laboratory reports were used in this report:

Soil

GEOLab Report 0507247,
GEOLab Report 0506407,
GEOLab Report 0506298,
GEOLab Report 159587,
GEOLab Report 153025,
GEOLab Report 152343,
NETLab Reports R0119-08,
NETLab Reports R0831-02,
NETLab Reports R0831-03,
NETLab Reports R0328-08,
NETLab Reports R1222-06,
NETLab Reports R1222-07,
NETLab Reports R1222-11,
NETLab Reports R1222-12,
NETLab Reports S0109-03,
NETLab Reports V0914-37C Revised,
NETLab Reports V0914-37D,
NETLab Reports V0914-37E,
NETLab Reports V0914-38A,
NETLab Reports V0914-38B Revised,
NETLab Reports V0929-29 Revised,
NETLab Reports V1101-11, Revised
NETLab Reports V1214-59,
NETLab Reports W0105-9,
NETLab Reports W0105-10,
NETLab Reports W0105-11,
NETLab Reports W0114-04,

Ground Water

GEOLab Report 160119,
GEOLab Report 0506425,
GEOLab Report 0508168,
GEOLab Report 159768,
NETLab Reports R0407-15
NETLab Reports R0418-03,
NETLab Reports R0908-07,
NETLab Reports S0104-02,
NETLab Reports V0914-37A,

NETLab Reports V0914-37B,
NETLab Reports V1214-63,
NETLab Reports V1222-15,
NETLab Reports V1230-25
NETLab Reports W0923-31
NETLab Reports W0930-49

The Representativeness Evaluation and Data Usability Assessment is presented in Appendix F. The assessment indicates that the analytical data used in this report was generated pursuant to the Department's Compendium of Analytical Methods. Field and laboratory data presented in this report achieved an overall level of QA/QC, data usability, and data representation adequate for the intended use of the data and to achieve presumptive certainty status under the MCP.

5.3 Geologic and Hydrogeologic Conditions at the Site 40.0835(4)(d)(3)

5.3.1 Topography

The physiography of the area is defined by the distribution and resistance of bedrock units. The Worcester Plateau, an upland part of Massachusetts, is a rugged terrain dominated by ridge tops which have a uniform elevation of approximately 1,100 feet above msl. The past glacial history of this area reworked the hills into northeast to southwest trending elongated hills. There are four major waterways draining the Worcester Plateau, the Blackstone River, the Quaboag River, the French River, and the Quinebaug River. The Worcester county area contains two major drainage basins, the northeast flowing Nashua River and its chief tributary the Quinapoxet River, and the southeast flowing tributaries of the Blackstone River. Topographically, the Property is located along the southeast flowing Blackstone River at an approximate elevation of 445 feet above msl. The area within approximately one-half mile of the Property has a relief of approximately 270 feet from hill to valley with the regional topography generally higher to the north and west.

5.3.2 Flooding Potential

According to the Federal Emergency Management Agency (FEMA) 100 year Flood Plain Map, the Site and much of the surrounding area is located within the 100 year floodplain. Heavy rain events cause flooding along the Cambridge Street section beneath the railroad bridge on the northern border of the Property. According to the Worcester Engineering Department, the stretch of Cambridge Street under the railroad bridge has been submerged during these storm events. During these events, the Site was not flooded with standing water.

5.3.3 Surface Drainage

The Site is located in an urban area where the majority of the ground surface has been covered with buildings, roads, and other impervious structures. The surface of the Site

and adjacent Kansas Street is flat with a gentle slope northerly toward Cambridge Street. Cambridge Street slopes from land surface at the northwest corner of the Property to 12' to 15' feet below land surface beneath the railroad track at the northeast corner of the Property. The railroad track on the eastern boundary is elevated approximately 2 feet at the southern end of the Property and 6 to 8 feet at the northern end. Surface water drainage on the Property flows westerly toward Kansas Street and then northerly toward Cambridge Street. It will not flow easterly to the railroad or northerly under the 290 Highway due to the elevated topography.

Some precipitation will likely percolate into the subsurface in the northern area of the Property that is not sealed with asphalt. The City of Worcester Sewer Department has an easement on the northern end of the Property to maintain a pumping station. The pump station was built in the 1940s to relieve flooding on Cambridge Street under the railroad bridge. The pump station consists of a settling basin, a pump well basin, pump house, and gate manifold and discharges to the sanitary sewer system. Refer to Figure 4, Site Utility Map, for details.

5.3.4 Soil 40.0835(4)(d)(3)(b)

The Worcester area was subject to at least two major glaciations events that were separated by a period of prolonged or intense weathering. The minerals in the glacial deposits of till and unconsolidated sands and gravels have been subjected to many periods of weathering between, during, and after glacial advances. Non-oxidized dark grey, compact drumlin till contains few pebbles and cobbles with clay size mica and chlorite. Oxidized olive-brown to olive gray till contains iron manganese staining, and the dissolution of iron stain rims around iron bearing minerals. A mixed till zone of angular pebble to boulder clasts of oxidized and non-oxidized till overlies all drumlin exposures.

The thickness of the unconsolidated deposits is approximately forty to fifty feet. Overlying the bedrock at 50 feet bgs the soils are glaciofluvial deposits consisting of horizontally layered beds of very fine sand to silt. These horizontally layered silt beds are overlain by 0 –16 feet of fill material consisting of sand, gravel, and minor silt. The near surface materials (0-8 feet) consist of sands and gravels with varying amounts of brick, wood, metal, glass, and general construction debris.

5.3.5 Bedrock 40.0835(4)(d)(3)(c)

Most of the bedrock of central Massachusetts is part of the Merrimack terrane, one of four Peri-Gondwana terranes in Massachusetts and extends to the coast across northeastern Massachusetts. The terrane includes a mixture of metamorphosed sedimentary, volcanic, and plutonic rocks of Ordovician, Silurian, and early Devonian age. The bedrock in the western portion of Worcester consists of foliated schist, gneiss, and granite. Massive granite underlies Malden Hill and millstone to the north and east of Worcester, respectively, while there is strongly foliated granodiorite to the southeast. Less resistant, thinly bedded and strongly foliated granulite phyllite underlies the

downtown area and extends up to Wachusett reservoir (Stone, 1980, Shatkin). The underlying bedrock is classified as the Oakdale Formation. The Oakdale formation consists of medium to dark-grey and purplish-grey meta-siltstone. The bedrock is thinly bedded and strongly foliated granulite and phyllite. The crystalline bedrock of muscovite-biotite granite in Worcester contains high concentrations of As from arsenopyrite and scordite. No bedrock outcrops were identified at the Site. Bedrock outcrops approximately 800 feet due south to southeast at Vernon Hill and approximately 1800 feet due south across the Middle River.

5.3.6 Ground Water 40.0835(4)(d)(3)(a)

Regional Hydrology

The colonization of Worcester into an industrial and manufacturing center is directly related to the regional topography, the Blackstone River, connecting streams, and associated wetlands. The Site is located in a valley (elevation of 445 feet above msl) at the base of northeast to southwest trending drumlins on the northerly sloping flank of Pakachoag Hill and on the northwesterly sloping flank of Quinsigamond Hill. The Site is located adjacent to the Middle River which traverses a short distance from west to east around Pakachoag Hill, and then flows south. The Blackstone River has its origin at the junction of the Middle River and Mill Brook in the southeastern section of the City of Worcester.

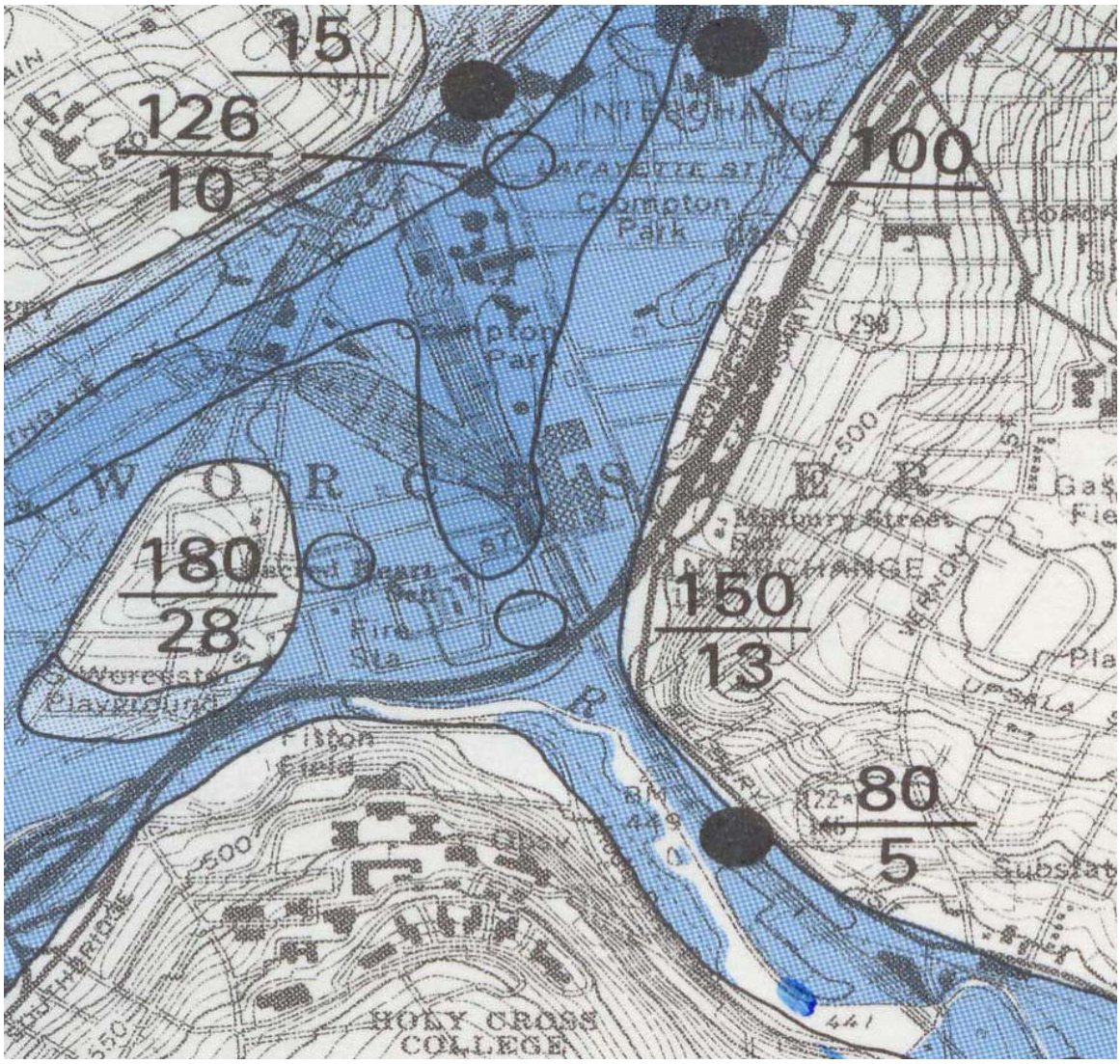
Stratigraphically, the Site is comprised of Pleistocene glacial till and glaciofluvial deposits, the Middle River deposits, which are overlain by compacted artificial fill. The fill material used in this area has generally been excavated from melt water deposits, sandy till, or compact till, and is between nine and eighteen feet thick. Unconsolidated glaciofluvial deposits of sand and gravel constitute the principle aquifers in this basin.

Site Hydrology

The local Site hydrogeology has been predominantly influenced by the construction of railroad beds and a rail yard (infilling of a streambed), the construction of the Worcester Diversion Project for flood control, the construction of Interstate Highway I-290 and roadways, and infilling of low lying areas. The Site is located along a narrow drainage valley that was a former unnamed tributary to the Middle River, now infilled from local materials and today comprising the railroad bed and railyard. This former tributary to the Middle River drained the surface water runoff from Prospect Hill, Chandler Hill, and Union Hill to the North. The former river channel is represented in a Water Resources Map of the Blackstone River basin on the following page. Referring to the map on the following page, the Site and the rail yard are located within a deeper blue color shaded area. The blue color shading represents the saturated thickness and hydraulic conductivity of the unconsolidated aquifer. The deeper the blue shade, the greater the saturated thickness and hydraulic conductivity. A thick sequence of sands and gravels represents the former river channel that was a tributary to the present day course of the

Middle River. Referring to the map, the circles located throughout represent the location of an industrial wells with an estimated yields (top number) and specific capacities (bottom number).

Water Resources of the Blackstone River Basin
By
Eugene H. Walker and Bruce E. Krejmas
1986



The Site is located along the west to east traverse of the Middle River that historically collected waters from Kettle Brook which formerly drained a 30 square mile basin to the northeast. In 1957, the "Worcester Diversion Project" was constructed and consisted of a 4,000 foot long tunnel that runs southeasterly under Pakachoag Hill and empties into an

open channel, which follows what was formerly Hull Brook to the Blackstone River. The surface waters from Kettle Brook are now diverted into this tunnel to prevent flooding of the Middle River at the Site location.

To determine ground water flow contours and vertical and horizontal gradients an elevation survey was conducted. The observation wells were surveyed by a licensed surveyor to a surveyed datum atop the sewer manholes, and the top of casing elevations were surveyed to the nearest 0.01 foot to provide elevation control for the preparation of a ground water contour map. Horizontal locations of wells were determined by measurements from nearby structures and reference points. Ground water levels were then measured from the top of the casing. Table 17 presents the ground water elevation data from December 22, 2004 to December 19, 2010. The variation of ground water elevations within each well is generally 1.5 to 2.0' in the shallow overburden observation wells and 1.5 to 2.0' in deep overburden observation wells.

The water table is graphically illustrated in Figure 10, Ground Water Contour Map, by means of contour (equipotential) lines corresponding to points of equal water table elevations. The equipotential contours mimic the shape of the saturated thickness of the aquifer (deeper blue shading representing saturated thickness) as depicted on the Water Resources Map of the Blackstone River presented on the previous page.

The overall gradient of the potentiometric surface is 0.012 feet/feet along the northwestern corner of the Property, 0.06 feet/feet along the western portion of the Site on the Massachusetts Highway property, and 0.04 feet/feet along the central portion of the Property. The direction of ground water flow beneath the Site is northerly along the western part of the Property, and north to northeasterly in the central and eastern portion of the Property.

Aquifer tests were conducted on selected observation wells to determine the hydraulic conductivity of the overburden aquifer underlying the Site. Rising head tests were conducted by instantaneously removing the water in the well and recording its recovery over time. The recovery rates were very slow for the shallow overburden wells and moderate to slow for the deep overburden wells. Due to the presence of ground water contaminants in nearly every well location, the hydraulic conductivity for the overburden aquifer was estimated for the silt to very fine sand layers encountered at the Site at 10^{-5} to 10^{-6} feet per minute (feet/min). The hydraulic gradients obtained from the ground water contour map ranged from 0.012 feet/feet to 0.06 feet/feet. Assuming an effective porosity of 10% the ground water velocities range from 0.12 feet/year to 6 feet/year.

6.0 ENVIRONMENTAL FATE AND TRANSPORT OF OIL AND HAZARDOUS MATERIAL 40.0835(4)(e)

6.1 Evaluation of Fate and Transport Characteristics of OHM 40.0835(4)(e)(1)

The fate and transport characteristics (i.e. mobility, volatility, solubility, sorption and environmental/biological persistence) of the materials released at the Site were evaluated by performing research in the chemical literature.

The chemicals detected in the Site soil include:

Polychlorinated Biphenyl Compounds

Chlorinated VOCs: tetrachloroethene, trichloroethene, cis 1,2 dichloroethene, vinyl chloride, 1,1 dichloroethane, 1,1 dichloroethene, trans 1,2 dichloroethene, and 1,1,2 trichloroethene, chloromethane

Volatile and extractable petroleum hydrocarbons: tert butyl benzene, benzene, trimethylbenzene, toluene, xylenes, naphthalene, C5 – C8 aliphatics, C9 – C12 aliphatics, C9 – C10 aromatics, C9 – C18 aliphatics, C19 – C36 aliphatics, and C11 – C22 aromatics. These are likely Gasoline Related Organics (GROs) as MTBE was detected as well

Metals: arsenic, barium, cadmium, chromium (III), lead, mercury, silver, and selenium.

The chemicals detected in the Site ground water include:

Polychlorinated Biphenyl Compounds

Chlorinated VOCs: tetrachloroethene, trichloroethene, cis 1,2 dichloroethene, vinyl chloride, 1,1 dichloroethane, 1,1 dichloroethene, trans 1,2 dichloroethene, and 1,1,2 trichloroethene

Extractable petroleum hydrocarbons: C9 – C18 aliphatics, C19 – C36 aliphatics, and C11 – C22 aromatics;

Metals: arsenic, barium, cadmium, chromium (III), lead, mercury, and selenium;

Methyl tert Butyl Ether (MTBE)

The environmental fate and transport of these groups of compounds is described below. The fate and transport of specific compounds from each group is also provided.

PCB'S

PCBs have low water solubilities 0.0027-0.42 ng/L, and low vapor pressures at room temperature, but they have high solubilities in most organic solvents, oils, and fats. They have high dielectric constants, very high thermal conductivity, high flash points (from 170 to 380 °C) and are chemically fairly inert, being extremely resistant to oxidation, reduction, addition, elimination, and electrophilic substitution. The density varies from 1.182 to 1.566 kg/L. Other physical and chemical properties vary widely across the class. As the degree of chlorination increases, melting point and lipophilicity increase, and vapor pressure and water solubility decrease

Terrestrial Fate

The environmental fate of PCBs is dependent on the degree of chlorination in the specific congener mixture. In general, the persistence of PCB congeners increases with an increase in the degree of chlorination. PCBs are resistant to biodegradation. Although biodegradation of PCBs may occur very slowly on an environmental basis, no other degradation mechanisms have been shown to be important in soil systems; therefore, biodegradation may be the ultimate degradation process in soil. The Koc value (309000 l/kg) indicates that PCBs will be tightly adsorbed in soil with adsorption generally increasing as the degree of chlorination of the individual congeners increase. PCBs should not leach significantly in most aqueous soil systems although the most water soluble PCBs will be leached preferentially. In the presence of organic solvents, which may be possible at waste sites, PCBs may have a tendency to leach through soil. Although the volatilization rate of PCBs may be low from soil surfaces due to the tight adsorption, the total loss by volatilization over time may be significant because of the persistence and stability.

Aquatic Fate

Higher chlorinated congeners in PCBs are susceptible to reductive dechlorination by anaerobic microorganisms found in aquatic sediments. Although biodegradation of higher chlorinated congeners may occur very slowly in the environment, no other degradation mechanisms have been shown to be important in environmental aquatic systems; therefore, biodegradation may be the ultimate degradation process in natural water. In water, adsorption to sediments and organic matter is a major fate process for PCBs. The PCBs with the highest vapor pressure (low chlorination) will be enriched in the air. Strong PCB absorption to sediment significantly decreases the rate of volatilization. Although the volatilization rate may be low, the total loss by volatilization over time may be significant because of the persistence and stability of the PCBs. Aquatic hydrolysis and oxidation are not important processes with respect to PCBs. PCBs have been shown to bioconcentrate significantly in aquatic organisms.

Atmospheric Fate

The vapor pressures of the PCB congeners indicate that they will exist primarily in the vapor phase in the ambient atmosphere with enrichment of PCBs with enrichment of PCBs with the highest vapor pressures (low chlorination) although a relatively small percentage can be expected to partition to atmospheric particulates. Physical removal of PCBs in the atmosphere is accomplished by wet and dry deposition processes; dry deposition will be important only for the PCB congeners associated in the particulate-phase. The relatively long degradation half-lives in air indicate that physical removal is more important than chemical transformation.

VOCs

VOCs at the Site include both gasoline related compounds (GROs) and chlorinated VOCs. In general, VOC compounds are characterized by low molecular weights, moderate to high vapor pressures, and low to moderate water solubilities. When volatile petroleum-related compounds are released into the environment, four dominant processes occur: evaporation; absorption to soil; dissolution into ground water; and biodegradation. VOC compounds will evaporate into the soil pores in the unsaturated soil zone and migrate to the ambient atmosphere. These VOC vapors are bioavailable and a significant portion of these vapors will be degraded before reaching the soil surface. VOC compounds will also absorb to soil particles such as active clays and organic materials. These compounds can also form a film around larger soil particles such as sands and gravels.

VOC compounds will also migrate into the ground water table via gravity or be transported by percolating rain to the water table. They have low to moderate solubilities and will dissolve into the ground water and migrate with the local ground water flow. VOC compounds are less dense than water and tend to stay near the top of the water column. Factors limiting migration in ground water include sorption to soil particles and biodegradation. Biodegradation is a significant process for normal (straight chain) alkane compounds.

Chlorinated VOCs

PCE

Tetrachloroethylene is a volatile organic compound with a high vapor pressure and Henry's law constant indicating rapid volatilization to the atmosphere. It has relatively low solubility in water (150 ppm at 25 degrees) and has medium-to-high mobility in soil (Koc is 2.2-2.7), thus its residence time in surface environments is not expected to be more than a few days. However, it persists in the atmosphere for several months, and it can persist in groundwater for long periods of time. Sorption to soil has been found to be most reliably predicted by the organic carbon content of the soil. The Henry's law constant is the primary factor determining the transport behavior via volatilization and

movement in the gas phase from ground water, through the soil, and into the indoor air. Due to its higher density than water (1.6627 g/ml), PCE will often migrate into the deeper subsurface. Bioaccumulation factors suggest a low tendency to bioconcentrate. Microbial degradation products include primarily trichloroethylene and small amounts of cis- and trans-dichloroethylene, vinyl chloride, and ethylene. Biodegradation in soil or groundwater appears to occur only under specific conditions, and only to a limited degree often ending with vinyl chloride. Under anaerobic conditions with the dehalogenating bacteria, vinyl chloride is also degraded to ethylene which is easily mineralized. The dominant transformation process in air is a reaction with photochemically produced hydroxyl radicals with half-lives estimated at 120 days to 250 days.

Vinyl Chloride

Vinyl chloride (VC) is a product of the anaerobic biodegradation of higher chlorinated compounds such as trichlorothelyne (TCE) and PCE. It is not known to occur naturally and is persistent in the environment. It has a low solubility in water (2.7 mg/L, MCP) as it has an extremely low boiling point (7^{o}F) and will readily volatilize. It has an adsorption partitioning coefficient (Koc) of 57 (unit-less), therefore it is considered to have a high mobility in soil. When released into water, it does not readily adsorb onto suspended particles, indicating the potential for VC to migrate in groundwater.

Trichloroethene (TCE)

Trichloroethene is used in degreasing and cleaning operations. Releases to the soil will be partially evaporated and partially leached into the ground water. In surface water it is primarily lost through evaporation with a half-life of minutes to hours, depending on environmental conditions, temperature, wind, etc. In ground water it may persist or be degraded to other chlorinated alkenes. Biodegradation of TCE in ground water depends on the degree of biogenic activity, and may occur with acclimated organisms. Hydrolysis in water is a slow process. Adsorption to sediment and bioconcentration in aquatic organisms are not important processes. Trichloroethene released to the atmosphere reacts fairly rapidly, especially under smog conditions. It is not subject to direct photolysis and has been reported to have a residence time of 5 days with the resulting formation of other compounds, e.g., phosgene, dichloroacetyl chloride, and formyl chloride.

The available data for trichloroethene indicate that acute toxicity to fresh water aquatic life occurs at 45,000 ug/L. No data available concerning the chronic toxicity of trichloroethene to sensitive freshwater aquatic life but the behavior of one species is adversely affected at concentrations as low as 21,900 ug/L.

1,2-Dichloroethane (1,2-DCA)

1,2-Dichloroethane is used as a cleaning solvent. Releases to the soil will dissipate by volatilization and percolation into ground water where it is likely to persist for a very long time. In water it will evaporate with a half-life of several hours to 10 days,

depending on conditions. Sorption to sediment, hydrolysis, and bioconcentration in aquatic organisms are not significant processes. 1,2-DCA in the atmosphere is primarily removed through photooxidation, approximate half-life of one month, reacting with photochemically formed hydroxyl radicals, forming carbon dioxide and hydrochloric acid.

The available data for 1,2-dichloroethane indicates that acute toxicity to fresh water aquatic life occurs at 118,000 ug/L. Chronic toxicity occurs at concentrations as low as 20,000 ug/L.

1,1,1-Trichloroethane (1,1,1-TCA)

1,1,1-Trichloroethane is used as a cleaning solvent and degreasing agent. Releases to the soil result in rapid evaporation and leaching into the ground water. In water it will evaporate with a half-life of a few hours to weeks, depending on wind and mixing conditions. Biodegradation, adsorption to soil, and hydrolysis are not important processes. 1,1,1- Trichloroethane released to air will be transported long distances and partially returned to earth in rain. Photolytically catalyzed reactions occur by reaction with hydroxyl radicals, half-life of 6 months to 25 years, and by photodissociation in the stratosphere.

The available data for trichloroethane indicate that acute toxicity to fresh water aquatic life occurs at 18,000 ug/L. Chronic toxicity is reported only for 1,1,2-trichloroethane, at 9,400 ug/L.

Chlorinated Alkenes and Chlorinated Alkanes

cis-1,2-Dichloroethene (cis-1,2-DCE) trans-1,2-dichloroethene (trans-1,2-DCE)

Cis-1,2-Dichloroethene and trans-1,2-dichloroethene are likely breakdown products from the reductive dehalogenation of tetrachloroethene (PCE) and trichloroethene (TCE). If found on soil, they should evaporate or leach into ground water. In water, both will be lost through volatilization with a half-life of 3 hours (in a model river). Biodegradation may occur very slowly, adsorption to sediment, and bioconcentration in aquatic organisms should not be significant. In the atmosphere dichloroethene reacts photochemically with hydroxyl radicals with a half-life of 8 days for cis-1,2-DCE, and 3.6 days for trans-1,2-DCE. Dichloroethenes are scavenged by rain. The available data for dichloroethenes indicate that acute toxicity to fresh water aquatic life occurs at 11,600 ug/L. No definitive data are available concerning the chronic toxicity of dichloroethene to sensitive freshwater aquatic life.

Gasoline Related VOCs

Benzene

Benzene is a petroleum hydrocarbon with high solubility in water (1,800 mg/L, MCP), and will not adsorb to suspended particles, indicating the potential for benzene to migrate in ground water. Its Koc is 85, indicating it will not absorb to soils but rather has a high mobility in soils. The specific gravity is 0.879 g/cc, is less than water. Thus benzene is a light non-aqueous phase liquid (LNAPL) and will float on the water table. Benzene has a vapor pressure of 95.2 mm Hg, a Henrys Law Constant of 0.228 (unit less), and is volatile in air. Benzene is non-persistent in the environment and will readily biodegrade. It's Kow is 2.13 indicating it will migrate out of water and into oil.

When released to the soil benzene will rapidly volatilize, and what does not evaporate will be highly mobile in the soil and will leach into ground water. If released to surface water, benzene will evaporate with an estimated half-life of 2.7 hours at 20oC in a model river, 1 meter deep, flowing at 1 m/sec with a wind velocity of 3 m/sec. Benzene can biodegrade in water under aerobic conditions but not under anaerobic conditions. It will not adsorb significantly to sediment, bioconcentrate in aquatic organisms, or hydrolyze in water. Photodegradation in water may occur with an estimated half-life of 17 days. If benzene is released to the atmosphere, it will exist as a vapor, and react with photolytically generated hydroxide radicals with an estimated half-life of 13.4 days. Reaction time in polluted atmospheres is faster, estimated at 4-6 hours. Benzene can be recaptured in rainfall.

Ethylbenzene

Ethylbenzene released to the soil is moderately adsorbed by the soil and may leach into ground water where biodegradation is possible. It does not hydrolyze on soil or in water and is expected to evaporate from or biodegrade in surface water. Decreases in concentration in water depend upon the temperature, wind, mixing and the microbial population of the body of water. Representative half-lives are several days to two weeks. Ethylbenzene may adsorb to sediment, but significant bioconcentration in aquatic organisms is not expected. If ethylbenzene is released into the air it can exist as the vapor and will react with photochemically generated hydroxyl radicals, half-life of hours to days. It can return to earth by wash down in rain. The available data for ethylbenzene indicates that acute toxicity to fresh water aquatic life occurs at 32,000 ug/L. There is no data for chronic toxicity.

Toluene

Toluene is released into the atmosphere from petroleum fuels, toluene-based solvents, thinners, and from motor vehicle exhaust. When released to the soil, it will be lost through evaporation from near surface soil and by leaching to ground water.

Biodegradation will occur in both soil and ground water, but is likely to be slow. When released to surface water, it will evaporate and biodegrade, estimated half-life of days to weeks depending on temperature, wind, mixing conditions and the existence of acclimated microorganisms. It will not significantly hydrolyze, photolyze, adsorb to sediment, or bioconcentrate in aquatic organisms. As a vapor released into the atmosphere, it will react with photolytically generated hydroxyl radicals, estimated half-life of 3 hours to 1 day. It may also wash down with rain. The available data for toluene indicates that acute toxicity to fresh water aquatic life occurs at 175,000 ug/L. There is no data for chronic toxicity.

Xylenes

Xylenes occur as mixtures of 1,2 xylene, 1,3-xylene, 1,4 xylene in petroleum products, industrial sources and automobile emissions. When released to the soil, xylenes are moderately mobile and will evaporate or leach into the ground water. Biodegradation can occur under aerobic conditions in soil and ground water, although, 1,3-xylene and 1,4-xylene have been known to persist for several years, depending on conditions. In surface waters volatilization will occur with an estimate half-life of 1-5 days. Some adsorption to sediment can occur. If released into the atmosphere, xylenes will react with photochemically generated hydroxyl radicals, estimated half-life of 1.5-18 hours. There are no data for acute or chronic toxicity to fresh water aquatic life for xylenes.

Trimethylbenzene, 1,2,4- (1,2,4-TMB)

Trimethylbenzene occurs in coal tars and petroleum. Environmental information on this compound was not found directly, but it would be expected to behave comparably to xylenes, which are dimethyl benzenes, also occurring in petroleum products, diesel fuels and gasoline. When released to the soil, xylenes are moderately mobile and will evaporate or leach into the ground water. Biodegradation can occur under aerobic conditions in soil and ground water, although some isomers, 1,3-xylene and 1,4-xylene have been known to persist for several years, depending on conditions. In surface waters volatilization will occur with an estimate half-life of 1-5 days. Some adsorption to sediment can occur. If released into the atmosphere, xylenes will react with photochemically generated hydroxyl radicals, estimated half-life of 1.5-18 hours. The available data for dimethyl benzene benzenes indicate that acute toxicity to fresh water aquatic life occurs at 17,500 ug/L. There is no data for chronic toxicity.

Trimethylbenzene, 1,3,5- (1,3,5-TMB), n-Butylbenzene, sec-Butylbenzene, tert-Butylbenzene, Isopropyltoluene, p-Isopropyltoluene, n-Propylbenzene

Trimethylbenzene, 1,3,5 is a compound very analogous to trimethylbenzene, 1,2,4, and the environmental fate and transport properties are expected to be very similar. Other compounds, such as n-Butylbenzene, sec-Butylbenzene, tert-Butylbenzene, Isopropyltoluene, p-Isopropyltoluene and n-Propylbenzene are similar in properties to the

trimethyl- and ethyl- substituted benzenes and will behave in a similar way when exposed to the environment.

MTBE

Tert-butyl Methyl Ether (MTBE) is an anthropogenic compound used as a fuel additive. It has a moderate solubility in water (4.8 mg/L) and a specific gravity of 0.731 at 20^0C indicating it will float on water. It's vapor pressure is approximately 196 (mm Hg) and it's Henrys Law constant is 5.87E-4 atm-cu m/mole indicating it is volatile and will migrate from water into the air. It has a Koc of 6 based on calculations from soil/water partition coefficient of 0.0925 and will not absorb to soils or sediments. MTBE is also very persistent in the environment. MTBE is known to migrate very quickly with groundwater over very long distances.

Petroleum Distillates (heavier aliphatic and aromatic compounds)

The larger petroleum distillate compounds (i.e., EPHs) have low water solubility and a higher affinity for soil and organic matter. For this reason, they tend not to migrate with water unless the water transports the particles as well, and they tend to be less biodegradable or more persistent in the environment. The pathway of transformation for heavier weight fuel oil related compounds is into lighter weight and smaller chain compounds as they migrate from a source area. The adsorption of these contaminants to the soil depends on the organic content of the soils, which is variable but typically very low for this Site. Biodegradation of the lighter compounds may occur both in soils and in ground water.

RCRA 8 Metals

Chromium

Chromium is a metallic element with oxidation states ranging from chromium (-II) to chromium (+VI). Chromium compounds are stable in the trivalent state in nature. The hexavalent (VI or chromate) is the second most stable state. However, it rarely occurs naturally and is produced from anthropogenic sources. The mobility of chromium in soil is dependent upon the speciation of chromium, which is a function of redox potential and the pH of the soil. In most soils, chromium will be present predominantly in the chromium (III) oxidation state. Chromium (III) in soil is mostly present as an insoluble carbonate or oxide; therefore, it will not be mobile in soil. The solubility of chromium (III) in soil and its mobility may increase due to the formation of soluble complexes with organic matter, with a lower soil pH potentially facilitating complexation (Avudainayagam et al. 2003). This form has very low solubility and low reactivity, resulting in low mobility in the environment (Barnhart 1997; Jardine et al. 1999; Robson 2003). Under oxidizing conditions, chromium (VI) may be present in soil as CrO4 -–2 and HCrO4 (James et al. 1997). In this form, chromium is relatively soluble and mobile. A smaller percentage of total chromium in soil exists as soluble chromium (VI) and chromium (III) complexes, which are more mobile in soil. Chromium that is irreversibly sorbed onto soil (e.g., in the interstitial lattice of geothite, FeOOH) will not be

bioavailable to plants and animals under any condition. Organic matter in soil is expected to convert soluble chromium (VI), to insoluble chromium (III) oxide, Cr2O3 (Calder 1988). This form has very low solubility and low reactivity resulting in low mobility in the environment and low toxicity in living organisms (Ashley et al. 2003; Barnhart 1997; EPA 1994b). A leachability study comparing the mobility of several metals, including chromium, in soil demonstrated that chromium had the least mobility of all of the metals studied (Sahuquillo et al. 2003). Chromium has a low mobility for translocation from roots to the above ground parts of plants (Calder 1988; Cary 1982; EPA 1984a, 1985a; King 1988; Stackhouse and Benson 1989).

Chromium in the aquatic phase occurs in the soluble state or as suspended solids adsorbed onto clayish materials, organics, or iron oxides. Trivalent chromium compounds with the exception of acetate, hexahydrate of chloride, and nitrate salts, are insoluble in water. Most of the soluble chromium is present as chromium (VI) or as soluble chromium (III) complexes and generally accounts for a small percentage of the total. Soluble chromium (VI) may persist in some bodies of water, but will eventually be reduced to chromium (III) by organic matter or other reducing agents in water (Cary 1982; EPA 1984a; Lide 1998).

Arsenic[1,2]

Arsenic has been used as pesticides, herbicides, insecticides; some of the more common chemicals are lead arsenate, sodium arsenite, calcium arsenate, copper acetoarsenite, and organoarsenicals (dimethylarsinic acid, methanearsonic acid). It occurs in trace quantities in the environment and the rates of change in the environment depend on the substrate to which it is bound, and the physical, chemical, and biological processes acting on the individual arsenic species.

Arsenic is a 'metalloid' atom that can exist in different valence states:

1. In a strongly reducing environment elemental (anaerobic conditions where biological activity has reduced sulfate anions to hydrogen sulfide), arsenic (0) and arsine (-3) can exist.

2. Under moderately reducing environments, anaerobic conditions but lacking hydrogen sulfide, arsenite (+3) may be the dominant form (arsenic trioxide, As2O3 , arsenius acid, HAsO2, or salts of arsenius acid, etc.).

3. In oxygenated environments, arsenate (+5) is the stable oxidation state (arsenic pentoxide, As_2O_5, arsenic acid, H_3AsO_3, and salts of arsenic acid, arsenates AsO_4^{-3}).

Some forms of arsenic are soluble and movement through the environment will depend on pH, type of soil, and redox state. Arsenic can adsorb to soils or react with surface hydroxides on soils (iron or aluminum). Adsorption depends on the oxidation state of the arsenic, the type of soil, the pH of the soil, and the length of time of adsorption. Clays adsorb arsenic more strongly than other soils; arsenic (+5) adsorbs strongly at a low pH, arsenic (+3) adsorbs strongly at pH of 7-8, and organoarsenials adsorb strongly at a pH of

[1]A. Hounslow, Ground Water, July-August 1980, PP. 331-333.

[2]Investigation Report CET/LHIR148: The Environmental Chemistry and Fate of Arsenical Pesticides in Cattle Tick Dip Sites and Banana Plantations, NSW Environmental Protection Authority, June 1993, pp. 1-31.

4. Although arsenic does not readily leach off soil with water it will migrate to lower levels of soil and potentially to ground water. In soils bacterial action may reduce arsenicals to volatile forms and this may be a significant mechanism for loss of arsenic from soils. In air volatile arsenic compounds will generally adsorb to particulates and return to land by gravitational settling or wash down with rain.

In water arsenic can be soluble as organic and inorganic forms. At neutral pH the primary species is arsenate ($H_2AsO_4^-$, and $HAsO_4^{-2}$) for both fresh and sea water. Bacterial action on arsenic containing compounds can change the oxidation state either reducing it or oxidizing it. In oxygenated water the predominant form is arsenate (+5). If colloidal ferric hydroxide is present in water, much of the arsenic will adsorb to it. Mildly reducing waters (shallow ground water) will generally contain arsenite (As^{+3}) and the greatest mobility is expected under these conditions. In anaerobic waters, arsenic is expected to precipitate under low pH as arsenic sulfide. Under alkaline conditions arsenic exists as sulfarsine ions that may precipitate with iron or other heavy metal ions.

Cadmium (Cd)[3]

Cadmium is a metal present in soils at 0.005 to 2.4 mg/Kg. It has been used industrially during this century and is found in protective plating on steel, as a component in various metal alloys, in pigments for plastics, enamels, and glazes, in Ni-Cd dry cell batteries and photovoltaic cells, and is used as a stabilizer in plastics. Sources of soil contamination are the mining and smelting of Cd and Zn, disposal of wastes containing Cd, incineration of plastic containers and batteries, and burning of fossil fuel. Phosphorous containing fertilizers can contain higher than normal amounts of Cadmium and it is also found in sewage sludge.

In soils Cd can occur as an ion (Cd^{+2}), as a neutral compound $CaSO_4$ or $CdCl_2$. It will adsorb to organic matter, especially at pHs near neutrality, and tend to remain near the surface. However, cadmium will wash down through the soil column and may eventually reach ground water. Cadmium is released into the atmosphere from incineration because it is volatile above 400^o C. It can come back to land through dry deposition and through wash down with rain. Cadmium is taken up from the soil by plants.

Lead (Pb)[4]

Lead is a metallic atom, found predominantly as Pb (+2) or Pb (+4). In the elemental state it melts at 327^o C and boils at 1744^o C. It is used in batteries, in solder as a lead-tin alloy, and in the yellow pigment in road markings. It had been used extensively as the pigment in paints and as an anti-knock additive to gasoline, tetraethyl lead. It is found in sewage sludge and results from the Pb water pipes used in municipal water delivery systems and from road run off that contains the results of combustion on tetraethyl lead.

When released into the environment lead has a long resonance time and tends to accumulate in soils and sediments where it can be accessible to the food chain and to human metabolism far into the future. Its solubility, mobility, and bioavailability are low. Lead appears to accumulate near surface horizons on soils that have a high organic

[3]"Heavy Metals in Soils", ed.by B.J. Alloway, Halsted Press, John Wiley & Sons, Inc., New york, 1990, pp. 100-121.
[4]Ibid., pp. 177-194.

content, and tends not to leach into ground water. It is extractable with acid at a low ph. Lead can be taken up by plants and is incorporated into the plant structure.

The dominant species of lead in the aqueous solution is Pb^{+2} under acidic conditions and Pb^{+2}-carbonate complexes under alkaline conditions. Adsorption and precipitation increase with increasing pH, with most lead precipitating out at pH greater than 6. In oxidizing systems, the least soluble common forms of lead are the carbonate, hydroxide, and hydroxycarbonate. In reducing conditions where sulfur is present, lead sulfide is the stable solid.

Lead is an extremely stable metal, although it dissolves in acid. Due to its very low vapor pressure, volatilization of lead from the soil and water is negligible, although benthic microbes may convert methylate lead to tetramethyl lead, which tends to volatilize to the atmosphere. Lead forms complexes with organic matter and clay minerals that limit its mobility. Only a small fraction of lead in soil will be in a water-soluble form.

Lead is effectively removed from water to soil and sediment by adsorption to organic matter and clay minerals, precipitation as insoluble salt (especially as lead sulfide), and the reaction with hydrous iron and manganese oxide. Under most circumstances, adsorption predominates as the process for removing lead from solution. If released into the water, metallic lead will sink into the sediment. Lead may bioconcentrate in fish or other biota.

Mercury (Hg)[5]

Mercury is a metal occurring naturally as cinnebar, HgS. It can exist as ions, Hg^{+2}, Hg_2^{+2}, or as elemental mercury, Hg^0. Elemental mercury has a vapor pressure and is relatively volatile. Mercury has been used by different civilizations for thousands of years and currently it is used in gauges, manometers, and scientific instruments, in chloralkali plants for the manufacture of chlorine and sodium hydroxide, in paints as antifouling agents, and in button batteries. It is released into the environment from industrial processes, from incineration of wastes, from burning of coal, and from the mining and smelting of ores, especially copper and zinc. Mercury is also found in sewage sludge. In the early twentieth century it was used in fungicides and seed disinfectants. Atmospheric Mercury is assumed to be elemental Mercury which can be oxidized by atmospheric processes to yield soluble species that are returned to earth through dry deposition or wash down with rain.

In soil, the speciation of mercury depends on the redox state of the soil, the pH, and the chloride content of soil. Under acidic conditions mercury can exist as mercuric chloride, $HgCl_2$. At pHs above 7 it can exist as mercuric hydroxide, $Hg(OH)_2$. Ionic mercury can form complexes with organic matter (humus) and inorganic soil colloids, but these species are not well characterized. Mercury will form compounds with sulfur and in a very reducing environment elemental mercury, hydrogen sulfide can be formed. Compounds of mercury when applied to the soil tend not to leach down. Maximum

[5]Ibid., pp. 222-235.

adsorption is at pH of 7. Bacteria can methylate mercury and form volatile organomecurial compounds in soil and in aqueous environments. Mercury is known to bioconcentrate especially in fatty fish.

Selenium (Se)[6]

Selenium is a metal in Group 6 of the Periodic Table. It is chemically similar to sulfur and is necessary in small amounts in the diets of humans and animals. It is obtained electrolytically through the refinement of Cu, Zn, and Ni ores. It is used in the manufacture of electronic components, glass, plastics and ceramics, pigments and lubricants. It is used as a pesticide in combination with potassium ammonium sulfide. Selenium sulfide is used in shampoos for certain scalp conditions and, along with vitamin E, is available in over the counter vitamin supplements.

Selenium occurs naturally in the environment, associated with volcanic emissions metallic sulfides associated with igneous activity, black shale, and carbonaceous sandstone. It is released into the atmosphere due to the combustion of coal in power plants, industrial/residential burners. It is oxidized during weathering, becoming more mobile with increasing oxidation state.

In soils it can occur in a number of oxidation states, -2, 0, +2, +4 +6. The speciation of the metal depends on the pH, redox potential of the soil, mineralogical composition, microbial activity, and the nature of the adsorbing surface. In most soils elemental Se (0), selinite (+4), and selinate (+6) forms should be stable. Selenate (+6) prevails under alkaline oxic conditions, and it is mobile, soluble, and poorly adsorbed. Under anoxic conditions, reduction to selinite (+4) and selenide (-2) are possible. Microbial activity can reduce or oxidize selenium, and may produce volatile organic, such as dimethylselinide, which can evaporate from the soil, reducing mobility and toxicity.

In ground water selenium can exist in higher oxidation states in surface waters and be very mobile, transported by the ground water movement. If selenium is present in deeper water underlying acidic soils, it is likely to be reduced under anoxic conditions and be immobile.

Selenium can bioaccumulate in plants and its uptake depends on pH and the presence of other anions (phosphate, sulfate). Plant uptake can be great enough to cause phytotoxicity in plant tissue where Se replaces sulfur in plant compounds.

6.2 Potential Migration Pathways 40.0835(4)(e)(2)

Potential migration pathways include transport mechanisms that have the potential to influence the migration of the contamination around and out of the Site area. These mechanisms can include wind, surface water flow, or high permeability subsurface

[6]Ibid., pp. 237-260.

channels such as utility trenches. Figure 4 presents the utilities at the Property which include the following structures:

- The pump station maintained by the City of Worcester located at the northern end of the Property. This structure consists of sealed basins that are not connected to the shallow ground water at the Site. However, the fill material around the pipes are likely sandy and may represent a potential migration pathway.

- The electrical easement at the south end of the Property. This is an overhead utility and does not represent a potential migration pathway.

6.3 Ground Water as a Potential Vapor Source 40.0835(4)(e)(3)

Ground water occurs at 5 to 8 feet bgs and impacted ground water with PCE and its biodegradation derivatives does not exist within 30 feet of the building.

7.0 NATURE AND EXTENT OF CONTAMINATION 40.0835(4)(F)

7.1 Characterization of Contaminant of Potential Concerns (COPC)

Analysis of soil and ground water samples at the Site indicate that these media contain volatile organic compounds, chlorinated organic compounds, PCBs, and RCRA 8 metals. In summary, the contaminants of potential concern include:

PCBs

CHLORINATED VOCs
Tetrachloroethene
Trichloroethene
cis and trans Dichloroethene
Vinyl chloride

Petroleum Related VOCs
C5 – C8 aliphatics, C9 – C12 aliphatics, C9 – C10 aromatics
BTEX
Isopropyl benzene
N-Propylbenzene
Trimethylbenzene
MTBE

EPHs
C9 – C18 aliphatics, C19 – C36 aliphatics, and C11 – C22 aromatics

RCRA 8 Metals

7.2 Characterization of Contaminant Source

Historical operations at the Property indicate that the Property had been used as a scrap yard including a lead battery and PCB transformer recycling yard until the 1970s.

Source of RCRA 8 Metals

Personal communication with a resident documents the dismantling of batteries and recycling of lead, storage of drums of machine cuttings and cutting oil, as well as a scrap yard for various activities including transformer dismantling and recycling, etc. The source of Pb and Cd at the Site is likely related to the operational history.

Source of PCBs

The prior owner and operator, American Steel and Wire Company conducted operation at the Site involving the infilling of the land with fill materials that contained PCBs (as well as metals). The source of PCBs at depth is related to the past land infilling activities. The source of PCBs on the northern portion of the Site from ground surface to approximately 6 to 8 feet bgs, and from land surface to approximately 3 to 4 feet bgs throughout the entire Property is likely related to the operational history as a scrap yard for transformers.

Source of Gasoline Related VOCs

There are no known sources.

Source of Chlorinated VOCs

PCE/TCE may have been used in the scrap yard for cleaning or may have been indiscriminately disposed of at the Site due to the operation history.

Source of LNAPL (oil)

The source of the oil may be due to the storage of drums containing cuttings and cutting oils as reported in personal communication.

7.3 Extent of Light Non Aqueous Phase Liquids (LNAPL)

On December 19, 2010, the LNAPL thickness in the observation wells was measured and is represented in Figure 11, LNAPL Thickness Map. Referring to Figure 11, there are two LNAPL plumes; one is located around MW-2A and is smaller in dimensions (approximately 20’ by 20’) with a maximum of 0.6 inches in MW-2A. The extent of this plume is defined to the south by Knoll-1, to the west by Knoll-2 and 3, to the north by Knoll-4, and to the east by Knoll-33 and 34 (see Figure 10 for the locations of Knoll-33 and 34).

The second plume is located around observation well Knoll-8 with a maximum thickness of 12.48 inches and extends westerly for approximately 50 feet to Knoll-7 (0.24") and easterly to Knoll-27 (3.24 inches). The dimensions of the oil plume measures approximately 50 feet from west to east toward the railroad track and approximately 30 feet from south to north. The extent of this plume is defined to the south by Knoll-3 and 4, to the west by Knoll-36, to the north by Knoll-17 and 18, and to the east by Knoll-33 and 34.

7.4 Extent of Polychlorinated Biphenyl Compounds (PCBs)

7.4.1 Soil

Surficial (0-12") – Southern Portion

The extent of PCBs in the surface soil is represented in Figure 12, Site Plan Surficial Soils PCBs (0-12") Southern Portion. Referring to Figure 12, elevated levels of PCBs exceeding UCLs exist at the rear of the property building at borings KB-59 and KB-60. Elevated levels exceeding UCLs at boring DCR-7 (191 ppm) no longer exist at this location as these soils were excavated and disposed of under a URAM conducted for RTN 2-15319 by Weston & Sampson.

PCBs in surficial soil on the Property exceeding 2 ppm are located in the right of way in and around borings B-99, B-101, DCR-1-1, and beneath the building at boring DCR-6. These borings are surrounded to the east, west, north, and south by borings with results less than 2 ppm. These soils are currently covered by 6 -12 inches of crushed stone and gravel.

PCBs in surficial soils on abutting properties exceeding 2 ppm are located at the rear of the adjoining Rome Building Products property (borings BG-5 and BG-6), on the adjacent property owned by Riley Stoker Corp. at the Bridge Footing (excavated soils at this location were removed and disposed of) and at boring B-139. As discussed in Section 5.1.3, Background Soil on page 30, these are not part of the Site.

Surficial (0-12") – Northern Portion

The extent of PCBs in the surface soil in the northern part of the Property are represented in Figure 13, Site Plan – PCB Surficial Soils (0-12") Northern Portion. Referring to Figure 13, the surficial soil within Kansas Street are non-detect. The surficial soil beneath the asphalt paved area in front of the building exceed the UCLs at borings B-111, B-108, B-123, B-109, and B-110, and are all located beneath the concrete pad or adjacent to it with the exception of boring B-109 located adjacent to the railway. At most boring locations, the concentration of PCBs exceeding 2 ppm are located adjacent to the concrete pad and open land area. The concentrations nearest the building are all below 2 ppm.

The surficial soil in the open land area at the northern end of the Site exceed the UCLs in an area along the north central portion. The concentrations of PCBs are represented by isopleth contours of 100 ppm, 250 ppm, 2000 ppm, and 6000 ppm and comprise an area of approximately 100 feet from south to north, approximately 70 feet from west to east at the longest dimension, and 20 feet at the shortest dimension. The entire land surface throughout this area exceeds 2 ppm, with the exception of four boring locations, B-164, B-158, B-159 and KB-55. The extent of the PCB contamination in surficial soils to the north is defined by the retaining wall along Cambridge Street because the elevation drops 1 to 6 feet down to the street level (i.e., below 12" of surface soil).

Depth (1'-12') – Southern Portion

The extent of PCBs in the soil from 1 to 12 feet bgs is represented in Figure 14, Detailed Site Plan-Southern Portion -PCB Soils at Depth. Referring to Figure 14, PCBs do not exceed UCLs at any boring location and depth. PCBs at depth on the Property exceeding 2 ppm are located in the right of way in and around boring B-143 and B-103, and beneath the building at boring DCR-7. Elevated levels exceeding UCLs at boring DCR-7 no longer exist at this location as these soils were excavated and disposed of under a URAM conducted for RTN 2-15319 by Weston & Sampson. PCBs at depth on abutting properties exceeding 2 ppm are located at the rear of the adjoining Rome Building Products property (borings BG-3, BG-5 and BG-6), and at the rear of the Property building at borings B-105 and B-106.

Depth (1'-12') – Northern Portion

The extent of PCBs in the soil from 1 to 12 feet bgs on the northern part of the Property is represented in Figure 15, Detailed Site Plan-Northern Portion - PCB Soils at Depth. Referring to Figure 15, the soil from 1'-2' bgs in Kansas Street along the border of the Property (SB-3S, SB-4S, SB-5S) are non-detect (<1). The soil located greater than one foot beneath the asphalt paved area in front of the Site building do not exceed the UCLs at any location. The concentration of PCBs exceeding 2 ppm greater than 1.5' bgs are located at 6 boring locations; borings B-82, B-83, B-123, B-126, and B-171.

The soil at depth in the open land area exceeds the UCLs at borings B-70, B-73, and B-165, the area along the north central portion that corresponds to the same area for the surficial soil. In addition, boring KB-61 exceeds UCLs.

The depth of soil containing 2 ppm or greater of PCBs is represented in Figure 16, Estimated Soil Thickness Map – PCB >2 ppm. Referring to Figure 16, PCBs greater than 2 ppm in soil are 6 feet to 9 feet thick in the north central region, and exceed UCLs to a depth of approximately 3 to 4 feet bgs. Two additional areas with four to 6 feet of impacted soil exceeding 2 ppm of PCBs are located beneath and around the concrete pads below ground surface.

7.4.2 Ground Water

Ground water samples were collected from observation wells in the area of the LNAPL plume and in and around MW-2A which contained PCBs in sampling data conducted on December 22, 2004. Samples were collected from Knoll-1, Knoll-2, Knoll-4, Knoll-8, Knoll-16, Knoll-18, and Knoll-19. Table 13 presents a summary of the analytical data. Referring to Table 13, observation wells Knoll-2, 11 and 18 contained low ppb levels of PCBs below the Method One standard. Knoll-8 contained 362 ppb of PCB aroclor 1254, exceeding the UCL of 100 ppb. Figure 17, PCBs in Ground Water, shows the PCB concentrations at each well location. Referring to Figure 17, the highest levels of PCBs are at Knoll-8 and MW-2A which contain the greatest thickness of LNAPL.

7.5 Extent of Extractable Petroleum Compounds (EPHs) and Volatile Petroleum Hydrocarbons (VPHs)

7.5.1 Soil

Soils with EPHs exceeding the S-1/GW-2/3 standards were detected in three borings, SS-3, SS-4, and SS-8 (See Figure 6D). These locations are likely two distinct areas consisting of a small amount of impact at SS-3 and the larger impacted area around SS-4 and SS-8 where the LNAPL is located. SS-3 is located in the northern part of the Property near Cambridge Street, and the contamination is delineated by SS-1 to the east, SS-10 to the north, SS-7 to the south, and SS-2 to the west. SS-3 is near boring B-73 which had the highest concentration of PCBs on the Site.

Borings SS-4 and SS-8 are located on the northern part of the Property on the eastern edge (i.e., near the railroad tracks). The impacted area is delineated by the railroad tracks to the east (CEA wells MW-10 and MW-11), SS-1 and CEA well MW-6A to the north, SS-10 to the south, and SS-5 to the west. Borings SS-4 and SS-8 are also located in an area with elevated EPH concentrations in the ground water, Knoll-8, and the greatest thickness of LNAPL.

7.5.2 Ground Water

The extent of EPH compounds in the ground water is delineated in Figure 18, Total EPH Compound Isopleth Map. Referring to Figure 18, there are two separate plumes of EPH compounds in the ground water. The smaller plume, located on the northeastern corner of the Site, measures approximately 50’ by 50’ and includes observation wells Knoll-11, Knoll-20, and Knoll-21 and is likely related to the EPHs detected at SS-3. The limits of the EPH plume are defined by Knoll-22 to the north, Knoll-18 to the south, MW-1A to the west, and the retaining wall and railroad tracks to the east. CEA Observation wells MW-10 and MW-11 located downgradient across the tracks contained non-detect for EPH compounds. The highest concentration is in and around Knoll-20 which contains 5,910 ppm C19-C36 and 1050 ppm C11-C22. No EPH concentrations in this plume

exceed the GW/2/3 standard. No LNAPL coexists in any of the observation wells at this location.

The second and larger plume measures approximately 140' by 100' and is located on the central portion of the Site. The limits of the plume are defined by Knoll-12 (non-detect) and Knoll-25 (164 ppm) to the south, Knoll-18, Knoll-26, and Knoll-36 to the north, Knoll-10, Knoll-14, and Knoll-23 to the west, and the retaining wall and railroad track to the east (CEA Observation wells MW-10 and MW-11 located downgradient across the tracks contained non-detect for EPH compounds). The highest concentrations are located in and around Knoll-6 and Knoll-3. Knoll-6 exceeds UCLs for all three EPH carbon fractions. LNAPL coexists with the EPH plume at observation wells Knoll-7 and Knoll-8. No EPH data exists for MW-2A and Knoll-27 and the EPH plume was estimated to include these wells as MW-2A contains 0.6 inches of LNAPL and Knoll-27 contains 3.24 inches of LNAPL.

7.6 Extent of Chlorinated VOC Impacted Soil and Ground Water

7.6.1 Soil

Chlorinated VOCs

The data in Table 7 indicates that the highest concentrations of chlorinated VOCs detected in soil were:

- Boring B-133 with 0.53 ppm of PCE, 40 ppm of TCE, and 0.04 ppm cis 1,2 DCE all exceeding the S-1/2/3/GW-2/3 standards and TCE exceeding UCLs.
- Boring B-134 with 5.6 ppm of PCE which exceeds the S-1/2/3/GW-2/3 standards.
- Boring B-132 with 0.23 ppm TCE which exceeds the S-1/2/3/GW-2 standards
- Borings SS-8 and SS-18 exceeds the S-1/2/3/GW-2 standards with 0.022 ppm TCE, and 0.023 ppm TCE, respectively. SS-8 also contains 0.12 ppm VC exceeding all standards and 1.0 ppm cis 1,2 DCE exceeding all standards.
- Boring SS-2 exceeds the S-1/GW-2/3 and S-2/3/GW-2 with 0.099 ppm TCE.

Figure 8, Chlorinated VOCs in Soils presents the laboratory analytical data at each boring location tested, and Figure 9, TCE Soil Vapor Concentrations presents the field analytical test results. Referring to both figures, the chlorinated VOCs in soil are located in three separate and distinct areas; the first and largest is located in front of the abandoned transformer along the west central portion of the Site and comprising an area approximately 30' by 40'. The second area is localized comprising an area approximately 15' by 15' in and around the gate valve manhole. The third area is located along the eastern border of the Site beneath the asphalt pavement and adjacent to the

retaining wall and railway and measures approximately 45' by 20'. The extent of the contamination is shown on Figure 9 and was defined by field screening. Also see the "Zoom 1" and "Zoom 2" in Figure 8 for additional field screening results.

7.6.2 Ground Water

The subsurface lithology and hydrology at the Site is important in determining the PCE flow path and migration pattern(s). The lithology is a 45' – 50' thick sequence of homogenous fine to very fine sand to silt layers atop the bedrock surface. The ground water flow beneath the Site is represented in Figure 10, Ground Water Contour Map, and the hydrology of the area is represented in the map of the Water Resources of the Blackstone River Basin (page 36). Ground water flow is to the northeast toward the thick sequence of unconsolidated deposits, the former river channel that was a tributary to the Middle River.

The chlorinated VOCs have migrated from three impacted areas vertically down into the water column approximately 50 feet to the top of the bedrock. The majority of the chlorinated VOCs appear to have accumulated atop the bedrock with a minor component co-transported with the ground water. The chlorinated VOCs may have also entered into the cracks and fractures of the bedrock but no data exists to confirm this.

Figure 19, Chlorinated VOCs in Ground Water, presents the extent of TCE/PCE, and its derivatives, in the unconsolidated overburden aquifer. TCE/PCE and its chemical derivatives were not detected in Knoll-11 to the north and Knoll-31 to the northwest, Knoll -29 and MW-3 to the south central portion of the Site, and Knoll-34 to the southeast of the Site. The limits of the chlorinated VOC plume has been defined to the south by Knoll-30 (only 1.8 ppb cis 1,2 DCE), Knoll-29, and MW-3; to the south east by Knoll-34; to the east by Knoll-33 (only 4.4 ppb TCE and 2.1 ppb cis 1,2 DCE); to the north by Knoll-11; and to the northwest by Knoll-31. Observation wells MW-1A, MW-6A, MW-7A, and MW-9D located along the north to northeast corner of the site contain low ppb concentrations of TCE and its chemical derivatives. The component of ground water flow is to the east northeast towards Knoll-11 which contains non-detect for all compounds.

Biodegradation appears to be occurring at the Site as noted with the presence of 600 ppb of vinyl chloride in Knoll-25. With the current data, it is unclear if this degradation process also degrades vinyl chloride. However, vinyl chloride was not detected in the downgradient wells such as Knoll-33.

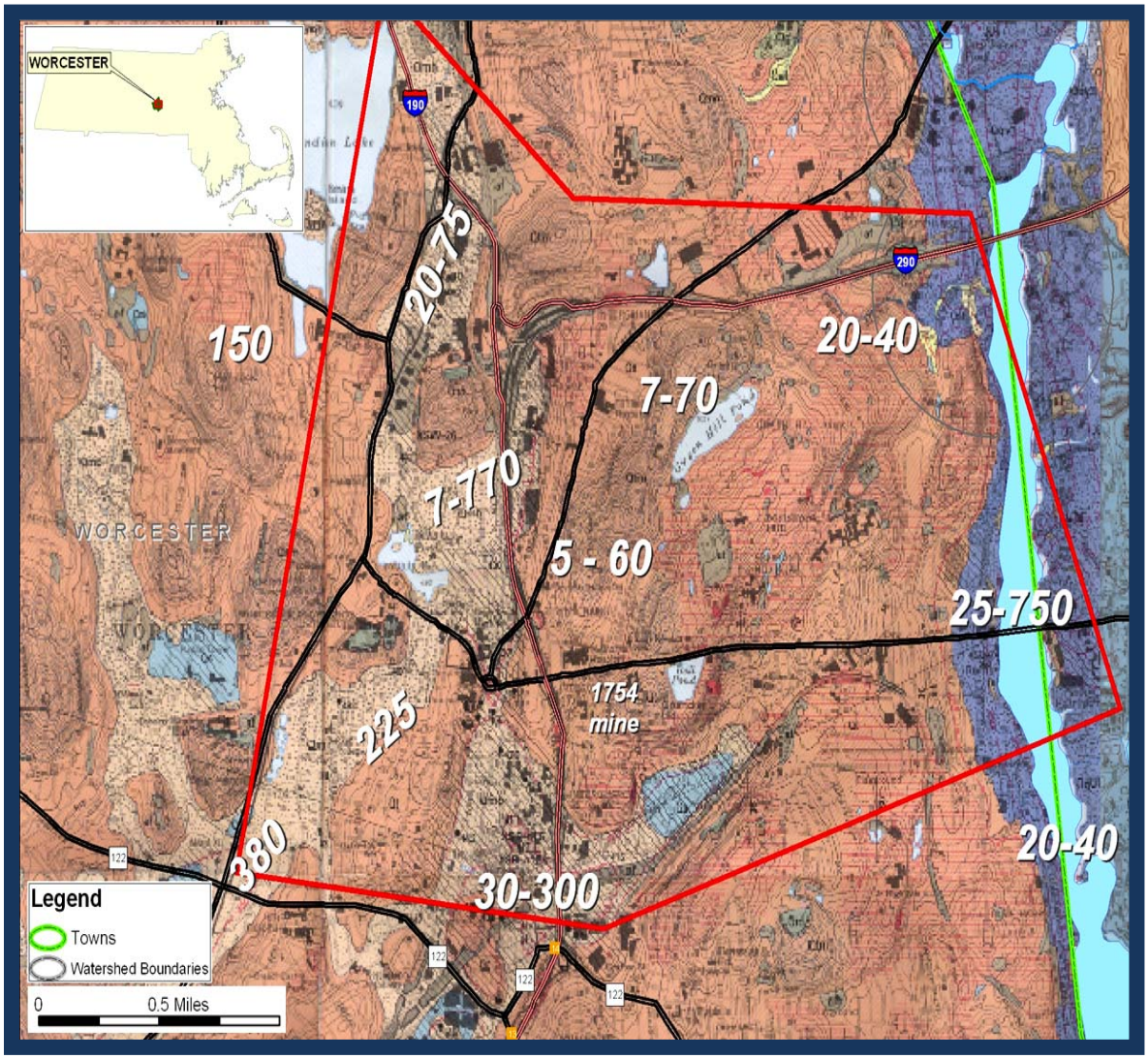
7.7 Extent of Arsenic Impacted Soil and Ground Water

7.7.1 Soil

The extent of Arsenic in soil at the Site was assessed via a soil boring and sampling program conducted during 2009-10. Figure 20, Arsenic in Soils Map (0-9 Feet), shows the distribution of arsenic in soil The arsenic concentrations at the rear of the building were below the Method One Standard of 20 ppm in soil deeper than 1.5 feet. However, the surficial soil (0–1.5 ft.) contained 37.4 ppm. Arsenic concentrations in the right of way were all below the standard with the exception of one sample collected at 3–6 feet bgs at the intersection of Sherman Street and Kansas Street which had 37.4 ppm.

The surficial soils (0-1.5') beneath the concrete pad at two boring locations are 30 ppm and 56 ppm and at 1.5'-3' the concentrations are 13 ppm and 21 ppm, respectively. The soil beneath the asphalt pavement from 0.5'-1.5' at three locations are 51 ppm, 20 ppm, and 22 ppm and from 1.'5-3' are 11 ppm, 25 ppm, and no data, respectively. There is one boring location from 0.5'-1.5' at 21 ppm in the central portion of the open land area. There are four boring locations from 0-1.5' that approach the 20 ppm standard ranging from 19, 19.3, 19.6, and 19.7 ppm.

The arsenic concentrations in the soils at the Site indicate the fill materials used in this area was derived from local soils which contain elevated arsenic concentrations. Arsenic data was compiled from sites listed with the Massachusetts Department of Environmental Protection (MADEP) within this region and presented at the Geological Society of America, University of Massachusetts Conference on Contaminated Soils, and American Chemical Society conferences from 2001 through 2005 by Kevin Doherty. The compiled data were for sites within a corridor along the NNE-SSW trending tract that passes through the geographic center of the state. Below is a surficial geologic map of the Worcester region showing the arsenic concentrations in soil. The Site is located in a valley due south but can be interpolated to be similar. The unconsolidated soil located in the valleys due north of the Property contain arsenic concentrations ranging from 20 ppm to 75 ppm, 7-770 ppm, and 30-300 ppm.



The dominant range of As concentrations (25 mg/kg to 50 mg/kg) is well above the MADEP defined "background" of 20 mg/kg and the elevated "hot spots" range from 50 mg/kg to 770 mg/kg. The bedrock beneath the Property and throughout central Massachusetts is a Paleozoic metasediment containing cobaltite (CoAsS), a cobalt arsenic sulfide mineral which is the likely source of arsenic in the soil used as fill materials at the Site. This data indicates that the arsenic present on-site is below background levels for the area.

7.7.2 Ground Water

Dissolved arsenic was analyzed at four observation well locations, MW-1A, MW-4A(R), MW-6A, MW-7A, MW-9D, Knoll-15, Knoll-16, and Knoll-35. The results are presented in Table 15 and revealed non-detect in three wells and 40 ppb in Knoll-16, well below the GW-3 standard of 900 ppb. Figure 21, Dissolved RCRA 8 Metals, shows the

concentrations of dissolved metals as measured by Weston & Sampson (DCR 1-2), CEA (MW-1A, MW-4A(R), MW-6A, MW-7A, and MW-9D), and at Knoll observation well locations Knoll-15 and Knoll-16.

7.8 Extent of Barium Impacted Soil and Ground Water

7.8.1 Soil

The extent of barium in soil at the Site was assessed via a soil boring and sampling program conducted during 2009-10. Figure 22, Total Barium in Soils Map (0.5-1.5'), shows the distribution of barium in surficial soil (0.5'-1.5'). UCLs are not exceeded at any location. The S-1/2/GW-2 standard for Barium is 1,000 ppm and the S1/2/GW/3 standard is 3,000 ppm. The S-1 standard in the surficial soils (0.5-1.5') is exceeded at two locations; one location under the concrete pad in the asphalt paved area in front of the Site building contains 1,930 ppm and the second location is in the center of the asphalt paved area and is 2,170 ppm. Two locations in the open land area coincident with the location of elevated PCBs in soils approach the S-1 standard and are 952 ppm and 999 ppm.

Figure 23, Total Barium in Soils Map (1.5'-3') shows the distribution of barium in soils at this depth. The MADEP soil standards are not exceeded at any location. The extent of barium impacted soils are limited to surficial soils from 0.5'-1.5' at the locations described above.

7.8.2 Ground Water

Dissolved barium was analyzed at observation well locations DCR 1-2, MW-1A, MW-4A(R), MW-6A, MW-7A, MW-9D, Knoll-15, Knoll-16, and Knoll-35. The results are presented in Table 14 and revealed low ppb concentrations in all wells, well below the GW-3 standard of 50,000. Figure 21, Dissolved RCRA 8 Metals, shows the concentrations of dissolved metals at the observation well locations.

7.9 Extent of Chromium (III) Impacted Soil and Ground Water

7.9.1 Soil

The extent of Chromium (III) in soil at the Site was assessed via a soil boring and sampling program conducted during 2009-10. UCLs are not exceeded at any location. The S-1 standard for Chromium is 30 ppm and the S-2 standard is 200 ppm. The standard in the surficial soils (0.5'-1.5') was not exceeded at any locations on the southern portion of the Site. On the northern portion of the Site, the 30 ppm standard was exceeded at nearly all locations tested with the exception of eight locations. Figure 24, Chromium III in Soils (0.5'-1.5'), presents the soil concentrations throughout the Property.

Chromium in soils was analyzed at 1.5'-3' bgs at select sampling locations and is presented on Figure 25, Chromium (III) in Soils (1.5'-3'). Referring to Figure 25, the 30 ppm standard is exceeded at 3 locations; one location beneath the asphalt paved area on the eastern edge at 31.4 ppm, one sample beneath the concrete pad in the open land at 34.1 ppm, and one location in the open land area at 369 ppm and coincident with the area of elevated PCBs in soils. The chromium (III) concentration at 3'-6' bgs at this location is 16.2 ppm, below the S-2/3 standard of 200 ppm.

7.9.2 Ground Water

Dissolved chromium was analyzed at four observation well locations, MW-6A, Knoll-15, Knoll-16, and Knoll-35. The results are presented in Table 14 and revealed non-detect in three wells and 5 ppb in observation well Knoll-16, well below the GW-3 standard of 300. Figure 21, Dissolved RCRA 8 Metals, shows the concentrations of dissolved metals at the observation well locations.

7.10 Extent of Mercury Impacted Soils and Ground Water

7.10.1 Soil

The extent of the Mercury impacted soil at the Site was assessed via a soil boring and sampling program conducted during 2011. The S-1 standard for Mercury is 20 ppm and the S-2 standard is 30 ppm. Mercury concentrations are present at every boring location, and the majority of the concentrations are less than 1 ppm. One location exceeds the S-1 and S-2 standard, boring B-171 (1.5'-3') at 45.3 ppm. The concentration of mercury at 0.5'-1.5' was 4.7 ppm and the concentration at 3'-6' and 6'-9' was non-detect. Boring B-171 is located in the northern portion of the Site on the eastern edge of the asphalt paved area.

7.10.2 Ground Water

Dissolved mercury was analyzed at four observation well locations, MW-6A, Knoll-15, Knoll-16, and Knoll-35. The results are presented in Table 14 and revealed non-detect in three wells and 0.3 ppb in observation well Knoll-16, well below the GW-3 standard of 20. Figure 21, Dissolved RCRA 8 Metals, shows the concentrations of dissolved metals at the observation well locations.

7.11 Extent of Lead and Cadmium Impacted Soils and Ground Water

7.11.1 Soil

The extent of lead and cadmium in soil at the Site was assessed via a soil boring and sampling program conducted during 2009-10. Figure 26, Lead and Cadmium in Soils

(0.5'-1.5'), presents the soil concentrations throughout the Property. The 3,000 ppm UCL for lead is exceeded in the surficial soils (0.5'-1.5') throughout the entire northern portion of the Site and along the southeastern side of the building. The 300 ppm UCL for cadmium in soil is not exceeded at any location. The S-1 standard for lead is 300 ppm and for cadmium is 2 ppm. The surficial soils (0.5'-1.5') were exceeded for lead throughout the entire Site with the exception of the following locations; Kansas Street, the northwestern corner of the Property building, and three boring locations located in the open land area on the northern portion of the Site. For the purposes of defining the extent of the lead impacted soil, the boundaries include the entire Property.

The surficial soils for cadmium were exceeded throughout the entire site with the exception of three locations; beneath the concrete asphalt paved area at the entrance to the Site, along the southeastern border of the Property adjacent to the former loading dock, and at two soil boring locations in the open land area. Cadmium in soil outside the Property boundaries exceeded the 2 ppm standard along the southeastern Property boundary and along Kansas Street. However, the Cd concentrations did not exceed the S-2 standard of 30 ppm which is applicable for soil under paved areas such as Kansas Street.

Lead and cadmium in soil were analyzed at 1.5'-3' bgs at select sampling locations and the data is presented on Figure 27, Lead and Cadmium in Soils (1.5'-3'). Referring to Figure 27, the UCL for lead is exceeded at 4 areas (in 9 borings); one location beneath the asphalt paved area on the eastern edge, one location beneath the concrete pad and adjacent to the concrete pad in the asphalt paved area, one location beneath the concrete pad in the open land area, and the north central portion of the open land area coincident with the area of elevated PCBs in soils. UCLs for cadmium are not exceeded at any location.

The 300 ppm standard for lead at (1.5'-3') is exceeded at two areas; along the southeastern side of the Site building both on the Property and outside the Property boundaries, and beneath the concrete pad in the asphalt paved area and along the border of the concrete pad. Cadmium in soil at (1.5'- 3') bgs that exceeds the S-1 standard of 2 ppm are located throughout the asphalt paved area, at two boring locations along the southeastern side of the Property, beneath the concrete pad bgs in the open land area, and in the north central area of the open land. Cadmium in soil at (1.5'-3') bgs that exceeds the S-2 standard of 30 ppm are located beneath the concrete pad and adjacent to the concrete pad in the asphalt paved area.

Lead and cadmium in soils were analyzed at 3'-6' bgs at select sampling locations and the results are presented on Figure 28, Lead and Cadmium in Soils (3'-6'). Referring to Figure 28, the UCL for lead is exceeded at one location beneath the asphalt paved area on the eastern edge. UCLs for cadmium are not exceeded at any location.

The 300 ppm standard for lead at 3'-6' bgs is exceeded at five locations; along the southeastern side of the Site building, beneath the concrete pad in the asphalt paved area and along the border of the concrete pad, beneath the right of way at the intersection of Kansas Street and Sherman Street, beneath Kansas Street opposite the entrance to the Property, and in the open land area at one soil boring location.

Cadmium in soil at 3'-6' bgs that exceeds the S-1 standard of 2 ppm are located at one location within Kansas Street, in the right of way at the intersection of Kansas Street and Sherman Street, beneath the asphalt paved area at 6 boring locations, and in the open land area in the north central portion of the Site. Cadmium concentrations in soil at 3'-6' bgs do not exceed the S-2 standard of 30 ppm at any location.

Lead and cadmium in soils were analyzed at 6'-9' and 9'-12' bgs at select sampling locations where elevated lead and cadmium levels were observed at elevated concentrations in the higher soil horizons. This data is presented on Figure 29, Lead and Cadmium in Soils (6'-9') (9'-12'). Referring to Figure 29, three boring locations from 6'-9' bgs exceed 300 ppm for lead and two of these boring locations exceed 2 ppm for cadmium. One additional soil boring location on the eastern side of the Property building exceeds 2 ppm for cadmium. No boring locations exceed 30 ppm for cadmium.

The depth of soil containing 300 ppm of lead or greater is represented in Figure 30, Estimated Soil Thickness Map – Lead >300 ppm. Referring to Figure 30, lead greater than 300 ppm in soil is three feet to six feet thick along the right of way; 3'-6' thick beneath the concrete pad and along the border of the pad; 3'-6' thick beneath the asphalt paved area; and six feet to nine feet thick beneath the concrete pad and along the border of the pad (note that under the pad at one boring the lead concentration at 9 feet bgs was 2,180 ppm, so the contamination is deeper in this area and will be assessed in the field during the cleanup to ensure the all impacted soil is removed). Along the southeastern side of the building, the impacted soil is 3 feet to 6 feet thick. The impacted soil is 3 feet thick outside the Property boundary along the southeastern side of the building, 6 feet thick along the eastern edge of the asphalt paved area, 3 feet thick beneath the concrete pad in the open land area, and 3 feet to 6 feet thick in the north central region of the open land area.

The depth of soils containing cadmium > 2 ppm and < 30 ppm concentration is represented in Figure 31, Estimated Soil Thickness Map – Cadmium > 2 ppm and < 30 ppm and > 30 ppm. Referring to Figure 31, cadmium in soil greater than 2 ppm are approximately 1.5' thick in Kansas Street at 2 boring locations, approximately 1.5' thick at the rear of the building, 1.5' to 3' thick on the eastern side on the building, 1.5' thick outside the Property boundary on the eastern side of the building, and in general 1.5 to 3' thick throughout the asphalt paved area. One boring location at the northwest corner of the building is approximately 6' thick. Two locations beneath the asphalt paved area are approximately 4.5' thick. The open land is approximately 1.5' thick, with the exception of one boring location beneath the concrete pad bgs at 3' thick and in the north central portion of the open land area at 3' thick.

Cadmium in soils greater than 30 ppm are located in two areas; beneath the concrete pad in the asphalt paved area and along the border of the concrete pad at 1.5' to 3' thick, and in the north central portion of the open land at 1.5'-3' feet thick.

7.11.2 Ground Water

Dissolved RCRA 8 metals were analyzed in 2002 by CEA at observation wells MW-1A, MW-4AR, MW-5A, MW-6A, MW-7A, and MW-9D. The analytical results are presented in Table 14 and indicated that all wells were non-detect or well below the standard. Dissolved RCRA 8 metals were analyzed in 2004 by Weston & Sampson at observation wells DCR-1-2, DCR-2-3, DCR-3-2, DCE-4-1, and DCR-4-3. Refer to Figure 5 for well locations. The analytical results are presented in Table 14 and indicated that all wells were non-detect or well below the standard. Dissolved RCRA 8 metals were analyzed in 2007, 2010, and 2011 by Knoll at observation wells Knoll-14, Knoll-15, Knoll-16, Knoll-18, Knoll-22, Knoll-23, Knoll-30, Knoll-32, Knoll-33, Knoll-36, and MW-5A. Lead and cadmium are the only metals that exceed the standard. The results are presented in Table 14 and indicate that the GW3 Method One standard or UCLs for lead are exceeded in 11 of the 13 wells sampled. Cadmium and lead exceed the GW-3 standard in six of the 13 wells and cadmium does not exceed the standard if lead also does not exceed the standard. Figure 21, Dissolved RCRA 8 Metals, shows the concentrations of dissolved metals at the observation well locations.

8.0 RISK CHARACTERIZATION

Since the level of PCB and lead contamination at the Site is well above the MCP Method One Risk Characterization Standards and often above the Upper Concentration Limits, a complete Method One Risk Characterization was not performed to characterize the risk of harm to health, public welfare, and the environment. Based on the lead and PCB data alone, the Site poses a significant risk to health, and remediation is required. Once the remediation has taken place, confirmation sampling and a risk characterization can be conducted to evaluate if post-remediation site conditions pose a significant risk of harm.

8.1 Characterization of Oil or Hazardous Material

The Site history reveals that the Property was in-filled with material that may have been contaminated (i.e., PCBs), and that the Property has a long industrial historic use including as a former junkyard recycling facility. Analysis of soil and ground water samples at the Site indicate that these media contain volatile organic compounds, chlorinated organic compounds, PCBs, and metals, and that they exist largely at the surface (<3 feet bgs) but almost all within 12 feet bgs. The contaminants of potential concern were selected based upon their detection at levels exceeding the S1 GW-2/GW-3 Method One Risk Characterization standards in at least one sample. In summary, the contaminants of potential concern include:

PCBs

CHLORINATED VOCs
Tetrachloroethene
Trichloroethene
cis and trans Dichloroethene
Vinyl chloride

Petroleum Related VOCs
C5 – C8 aliphatics,

EPHs
C9 – C18 aliphatics, C19 – C36 aliphatics, and C11 – C22 aromatics
Benzo(a)pyrene
Dibenzo (a,h) anthracene

Metals

Barium
Cadmium
Chromium
Lead

(Note: Arsenic was not selected as the levels detected were within background levels as described in Section 7.7)

8.3 Identification of Site Activities and Uses

The Site is located beneath the building and the asphalt paved parking area and on the unsealed dirt area along Kansas Street. Site activities include walking and working in the facility by adult personnel only. A chain-link fence prevents access to Property. Future use of the Site will remain the same. These activities are characterized as low frequency but low intensity.

Future use of the Property could change to residential, although there are no current plans to do this.

8.4 Identification of Applicable Soil Categories

Based on the current Site activity and use and the presence of contaminants beneath both open land and an asphalt pavement, the soil classification is S-2 and S-3.

Potential future uses of the Property may include unrestricted residential and or commercial use. Therefore, the soil is classified as S-1 for potential future uses.

8.5 Identification of Applicable Ground Water Categories

Pursuant to 310 CMR 40.0932, the GW-1 classification is applicable if ground water beneath the Site is within the following:

- Zone II;
- Interim Wellhead Protection Area;
- Potentially Productive Aquifer;
- Zone A of a Class A water body;
- 500 feet or more from a public water system distribution pipeline;
- 500 feet of a private water supply well that was in use at time of notification; or,
- Municipally-designated groundwater protection area.

Currently none of these conditions exist at the Site. As result, the ground water is not classified GW-1. Pursuant to 310 CMR 40.0932 the ground water within 30 feet of the building is classified as category GW-2 because the average annual depth to ground water in that area is 15 feet or less. By definition, all ground water in Massachusetts is classified GW-3.

8.6.2 Environmental Receptors 40.0483(1)(f)(3)

The Site is not located within any Areas of Critical Environmental Concern, Sole Source Aquifers, local, state and/or federal protected open space, fish habitats, and habitats of Species of Special Concern or Threatened or Endangered Species.

8.7 Substantial Release Migration

A condition of substantial release migration (SRM) means a condition at a disposal site that includes any of the following:

(a) releases that have resulted in the discharge of separate-phase oil and/or separate-phase hazardous material to surface waters, subsurface structures, or underground utilities or conduits;
(b) releases to the ground surface or to the vadose zone that, if not promptly removed or contained, are likely to significantly impact the underlying ground water, or significantly exacerbate an existing condition of ground water pollution;
(c) releases to the ground water that have migrated or are expected to migrate more than 200 feet per year;
(d) releases to the ground water that have been or are within one year likely to be detected in a public or private water supply well;
(e) releases to the ground water that have been or are within one year likely to be detected in a surface water body, wetland, or public water supply reservoir; or
(f) releases to the ground water or to the vadose zone that have resulted or are within one year likely to result in the discharge of vapors into school buildings or occupied residential dwellings.

The distance to the Middle river is approximately 1,000 feet due south of the Site. The overall gradient of the potentiometric surface is 0.012 feet/feet along the northwestern corner of the Property, 0.06 feet/feet along the western portion of the Site on the Massachusetts Highway property, and 0.04 feet/feet along the central portion of the Property. The direction of ground water flow beneath the Site is northerly along the western part of the Property, and north to northeasterly in the central and eastern portion of the Property. The ground water flow rates range from 0.12 ft./yr. to 6 ft./yr.

Note that the closest homes are located approximately 200 feet to the west and northwest of the Site. They are hydrologically upgradient of the Site and are not in the pathway of the ground water contaminant plumes.

8.8 Critical Exposure Pathways

Critical Exposure Pathways mean those routes by which oil and/or hazardous material(s) released at a disposal site are transported, or are likely to be transported, to human receptors via:

(a) vapor-phase emissions of measurable concentrations of oil and/or hazardous materials into the living or working space of a pre-school, daycare, school or occupied residential dwelling; or
(b) ingestion, dermal absorption or inhalation of measurable concentrations of oil and/or hazardous materials from drinking water supply wells located at and servicing a pre-school, daycare, school or occupied residential dwelling.

No critical exposure pathways exist at the Site as defined above because there are no pre-schools, daycares, schools, or occupied residential dwellings near the Site or downgradient of the Site that could be impacted. The nearest residential dwelling is 200 feet to the west and is hydrologically upgradient or cross gradient of the Site.

The indoor air in the building located on-site is not likely to be impacted as the ground water sampling results from wells between the building and the ground water plumes (i.e. MW-3, MW-5A, Knoll-12, and Knoll-29) indicate that the plumes do not extend under or are within 30 feet of the building. This building is currently occupied with three full time employees. There is no potential for exposure as the employees work inside and any outside activity would be limited to walking on surfaces that have an asphalt/concrete cover or one to three feet of clean fill material.

In addition, no human exposure is occurring through use of drinking water supply wells located at pre-schools, daycares, schools or occupied residential dwellings because the City of Worcester provides municipal water.

8.9 Risk of Harm to Human Receptors

Based on the data gathered to date, there is no known current exposure to oil and/or hazardous material at the disposal site, and an Imminent Hazard condition does not exist.

8.10 Substantial Hazard Evaluation

Based on the data presented herein, there is no known current exposure to oil and/or hazardous material at the disposal site, and a Substantial Hazard to Health condition does not exist.

8.11 Characterization of Risk to Safety

The risk to safety is evaluated by determining if on-site conditions present a risk to safety. These conditions include the presence of drums or other containers of oil or hazardous materials, etc., that may present a safety risk. Conditions that may constitute a risk to safety do not exist at the Site.

8.12 Risk of Harm to the Environment

The risk of harm to the environment was characterized based on the data collected pursuant to the response action being performed and the site, receptor, and exposure information. The following conditions constitute an Imminent Hazard to the environment:

(a) Evidence of stressed biota attributable to the release at the disposal site, including, without limitation, fish kills or abiotic conditions; or

(b) A release to the environment of oil or hazardous material which produces immediate or acute adverse impacts to freshwater or saltwater fish populations.

Neither of these conditions exists at the Site. The Property is located in a heavily industrialized area of Worcester. No natural biota exists near the Site, and there is no potential harm to the biota.

8.13 Imminent Hazard Evaluation Conclusions

Based on the IHE that was conducted in the IRA Status Report dated 9/27/2007 and 1/3/2011, and the criteria described in 310 CMR 40.0955(1) through (3), the conditions at the Site do not pose an Imminent Hazard because there is no current exposure to oil and/or hazardous material. Conditions at the Site have not changed since the IHE was conducted and the conclusions remain unchanged.

9.0 Interim Phase II Conclusions and Recommendations

This Interim Phase II Comprehensive Site Assessment Report presents results and findings of the Phase II Comprehensive Response Action investigations to date regarding the nature and extent of the chemicals of potential concern at 2 Kansas Street, Worcester, Massachusetts. Based on the Phase II investigation results, the following conclusions can be drawn:

- The investigation identified the presence of chlorinated VOCs, VOCs, EPHs, PCBs, and metals in the fill and in the ground water. In addition, limited areas contained free product oil (a light amber colored non aqueous phase liquid (NAPL)) floating atop the ground water.

- Neither the date(s) nor the mechanisms of the release of these contaminants are known. However, the site history offers insight with which to build a conceptual site model. During the late 1800s and into the early 1900s, the area around the site was filled in for development. The fill used appears to have been contaminated with PCBs and metals such as arsenic (See Background Soil on Page 21). As a result, some of the contamination at the Site likely resulted from this fill material. These contaminants were mixed in the soil and show a random pattern of horizontal and vertical distribution.

- From 1943 to 1978, the Property operated as a scrap metal yard where drums of machine cuttings were collected and stored, lead acid batteries were collected and recycled (a smelter was reportedly located inside the building), and transformers were brought to the site and dismantled. The contaminants were deposited on the ground surface and infiltrated into the ground resulting in a general pattern of high surface soil concentrations which decreases with depth.

- The soil throughout the entire footprint of the Property contain PCBs, lead, and cadmium at levels above the Method One standards and in some areas above the Upper Concentration Limits. Lead and cadmium coexist at elevated concentrations likely due to the past land use involving the dismantling of batteries. PCBs in soil at concentrations exceeding UCLs exists in one distinct area likely due to the past land use involving the dismantling of transformers in that area. In general, the soil contains concentrations of PCBs and/or lead above the standards from ground surface down to a minimum depth of 3 feet bgs throughout the entire footprint of the Property. In several areas, the standards for PCBs and/or lead are exceeded to a maximum depth of 9 feet bgs.

- Three distinct areas of soil in the northern half of the Property contain TCE and its derivatives from ground surface to 4 feet bgs.

- The ground water table is 6–8 feet bgs and the gradient is flat. The overall gradient of the potentiometric surface is 0.012 feet/feet along the northwestern corner of the Property, 0.06 feet/feet along the western portion of the Site on the

Massachusetts Highway property, and 0.04 feet/feet along the central portion of the Property. As a result, ground water flow velocity is 0.12 feet per year to 6 feet per year. The ground water moves very slowly and as a result the contaminant plumes have not travelled far in the past sixty years.

- Over the past sixty plus years, the contaminants have generally stayed where they were released, in the surface soil. However, some migration has occurred. Rainwater infiltration has resulted in the co-transportation of some contaminants deeper into the soil creating the pattern of decreasing contaminant concentration with depth. Some contaminants have migrated to the ground water where the compounds equal or lighter in weight than water such as the LNAPL spread across the top of the water table, and the heavier weight compounds such as the chlorinated ethenes traveled vertically down into the water column 45 feet to 52 feet bgs, to the top of the bedrock.

- The chlorinated solvent plume extends from beneath the northern portion of the property, beneath the abutting railroad track, and downgradient beneath the adjoining property. The EPH plume is located beneath the northern portion of the Property boundaries and may extend beneath the railroad track. The PCB plume is also located beneath the northern portion of the Property abutting the railroad track, and may extend beneath the railroad track. The oil plume is located beneath the northern portion of the Property boundaries along the eastern edge abutting the railroad track, and may extend beneath the railroad track. The dissolved metals plume is beneath the northern portion of the Property boundaries and extends downgradient beyond the Property boundaries.

- The extent of the contamination has not been fully delineated. Additional observation wells are required further to the north and northeast to define the extent of the dissolved lead in groundwater. A deep overburden observation well in the vicinity of Knoll-25 is necessary to characterize the vertical profile of chlorinated VOCs in ground water. In addition, additional soil samples are needed to fully define the extent of lead and cadmium to the east and south east.

- An Imminent Hazard does not exist at the Site due to the limited access to the Property. However, a level of No Significant Risk does not exist for several contaminants of potential concern but specifically PCBs and lead which were often detected at levels exceeding the MCP UCLs. Remediation of soil across the entire Property and ground water in designated areas is necessary.

- The elevated levels of contamination at the Site created many issues in the laboratory analysis of the samples including masking surrogate and matrix spikes and decreasing or increasing their recoveries, so that several results were labeled “Estimated”. Additional sampling is recommended after the remediation is completed to obtain data that meets all the acceptable QA/QC limits.

FIGURES

FIGURE 1:

MassDEP - Bureau of Waste Site Cleanup

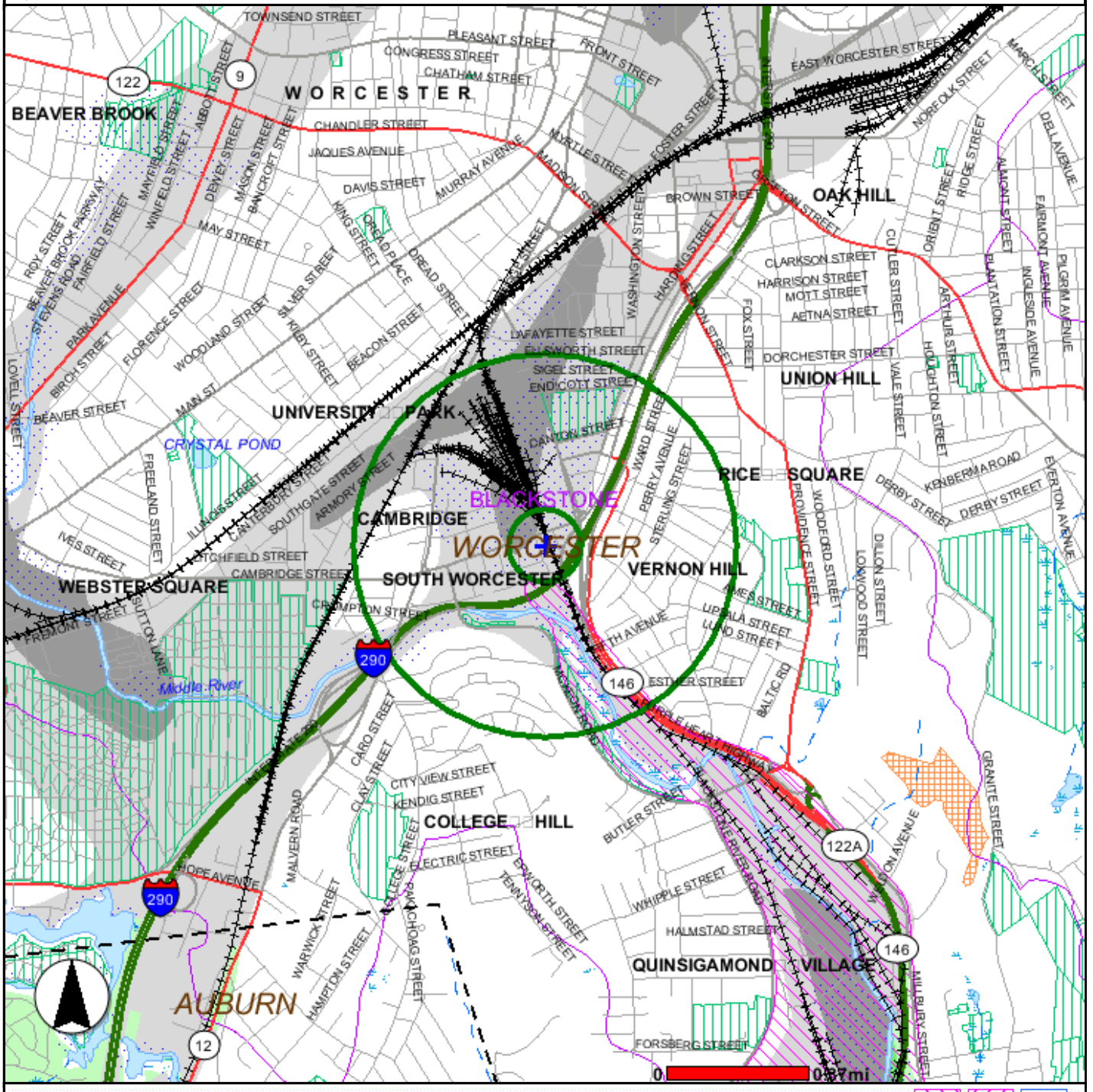
MCP Numerical Ranking System Map: 500 feet & 0.5 Mile Radii

Site Name:
2 Kansas Street
2 kansas Street
Worcester, MA
RTN: 2-000000168
NAD83 MA Coordinates:
174858mE, 888314mN

July 29, 2011

The information shown on this map is the best available at the date of printing. For more information please refer to www.mass.gov/mgis/massgis.htm

MassDEP
Commonwealth of Massachusetts
Department of Environmental Protection



Roads: Limited Access, Divided, Other Hwy, Major Road, Minor Road, Track, Trail

Boundaries: Town, County, DEP Region; Train; Powerline; Pipeline; Aqueduct

Basins: Major, Sub; Streams: Perennial, Intermittent, Man Made Shore, Dam

Aquifers: Medium Yield, High Yield, EPA Sole Source

Non Potential Drinking Water Source Area: Medium, High (Yield)

PWS Protection Areas: Zone II, IWPA, Zone A

Hydrography: Open Water, PWS Reservoir, Tidal Flat

Wetlands: Freshwater, Saltwater, Cranberry Bog

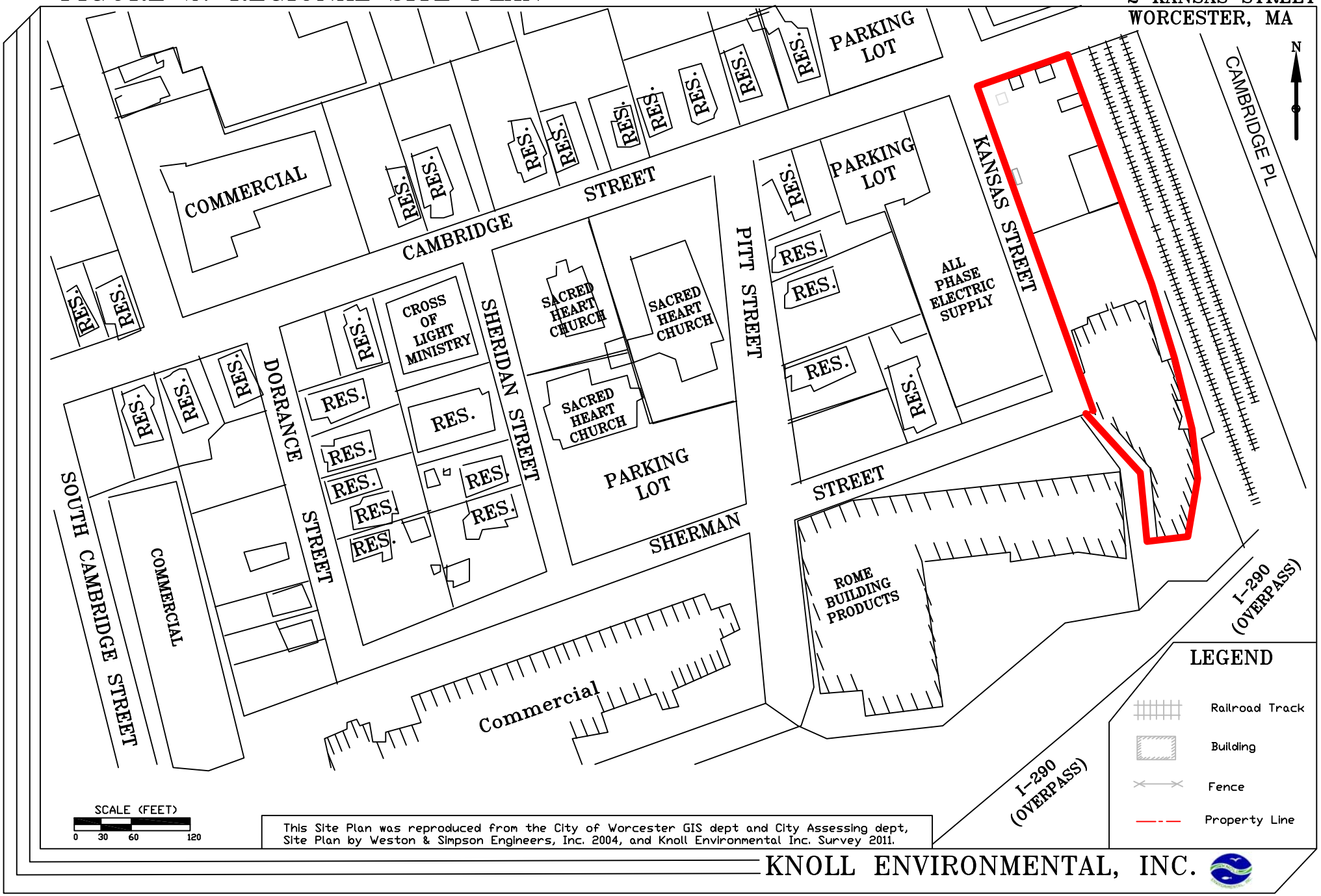
FEMA 100yr Floodplain; Protected Open Space; ACEC

NHESP: Est Rare Weland Habitat, Certified Vernal Pool

DEP Permitted Solid Waste Landfill

FIGURE 2: REGIONAL SITE PLAN

2 KANSAS STREET
WORCESTER, MA

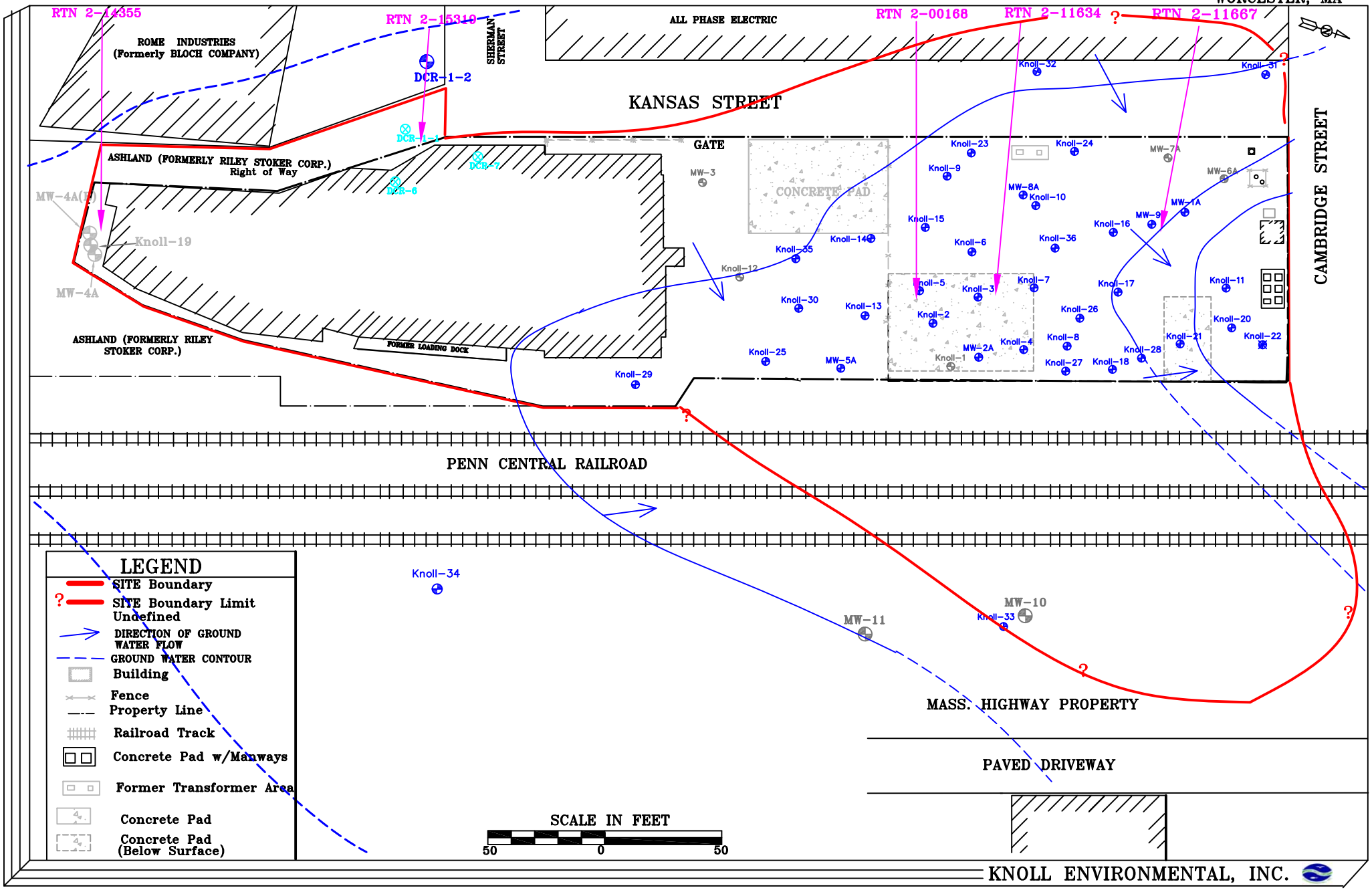


This Site Plan was reproduced from the City of Worcester GIS dept and City Assessing dept, Site Plan by Weston & Simpson Engineers, Inc. 2004, and Knoll Environmental Inc. Survey 2011.

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FIGURE 3: SITE BOUNDARY MAP with Release Tracking Number (RTN) Locations

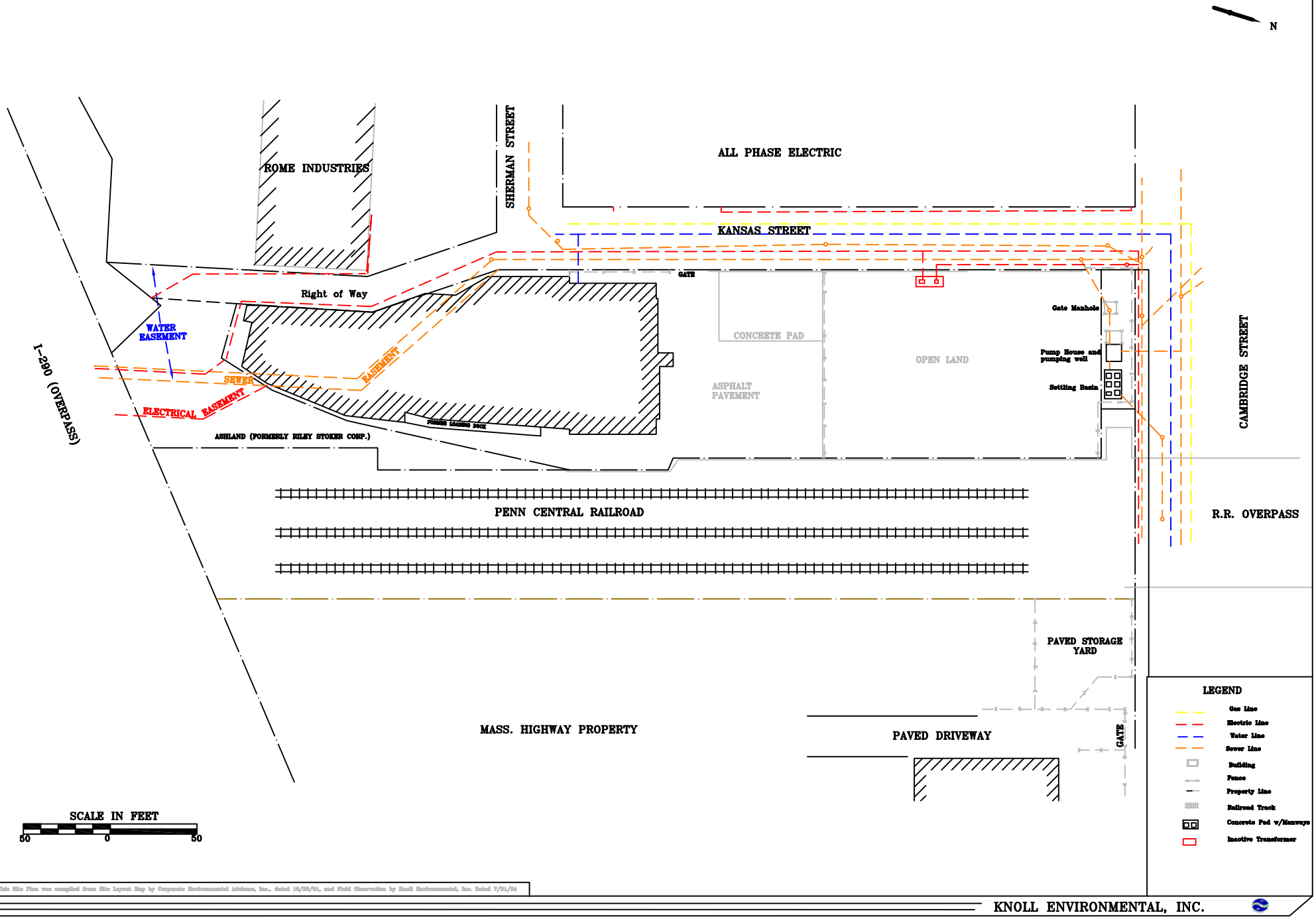
2 KANSAS STREET
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FIGURE 4: SITE UTILITY MAP

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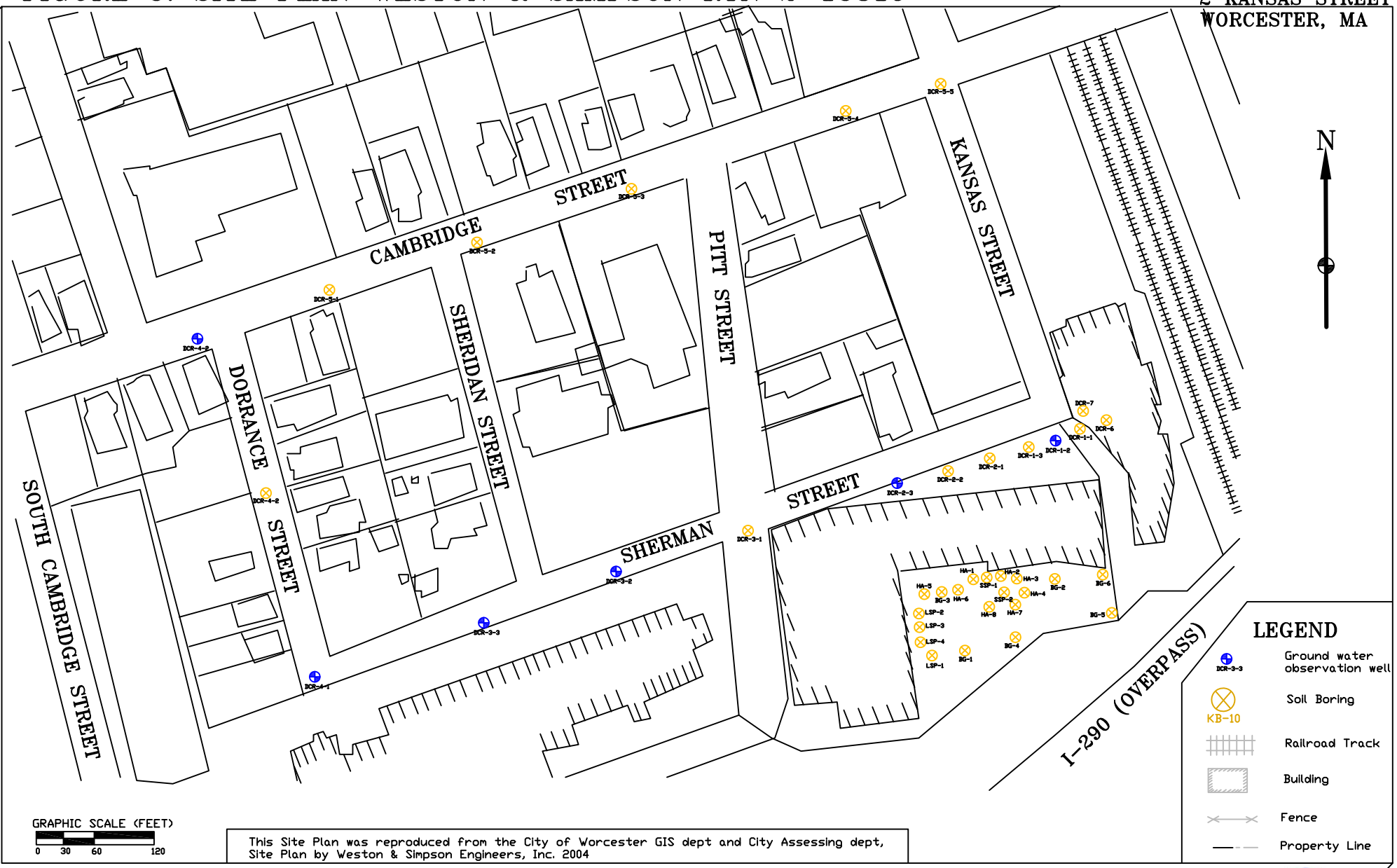


This Site Plan was compiled from Site Layout Map by Corporate Environmental Advisors, Inc., dated 10/20/01, and Field Observation by Knoll Environmental, Inc. Dated 7/21/04

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FIGURE 5: SITE PLAN–WESTON & SAMPSON RTN 2–15319

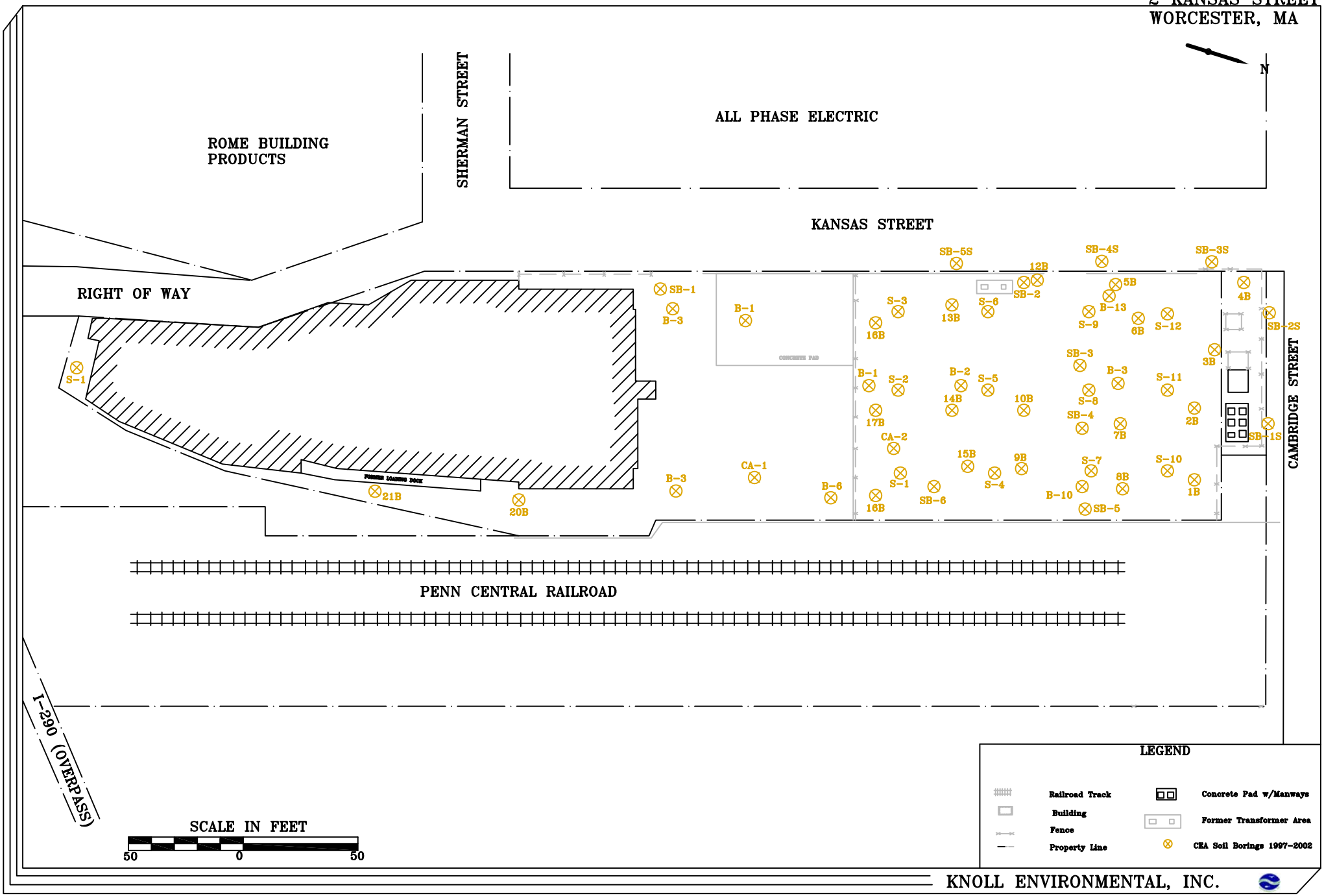
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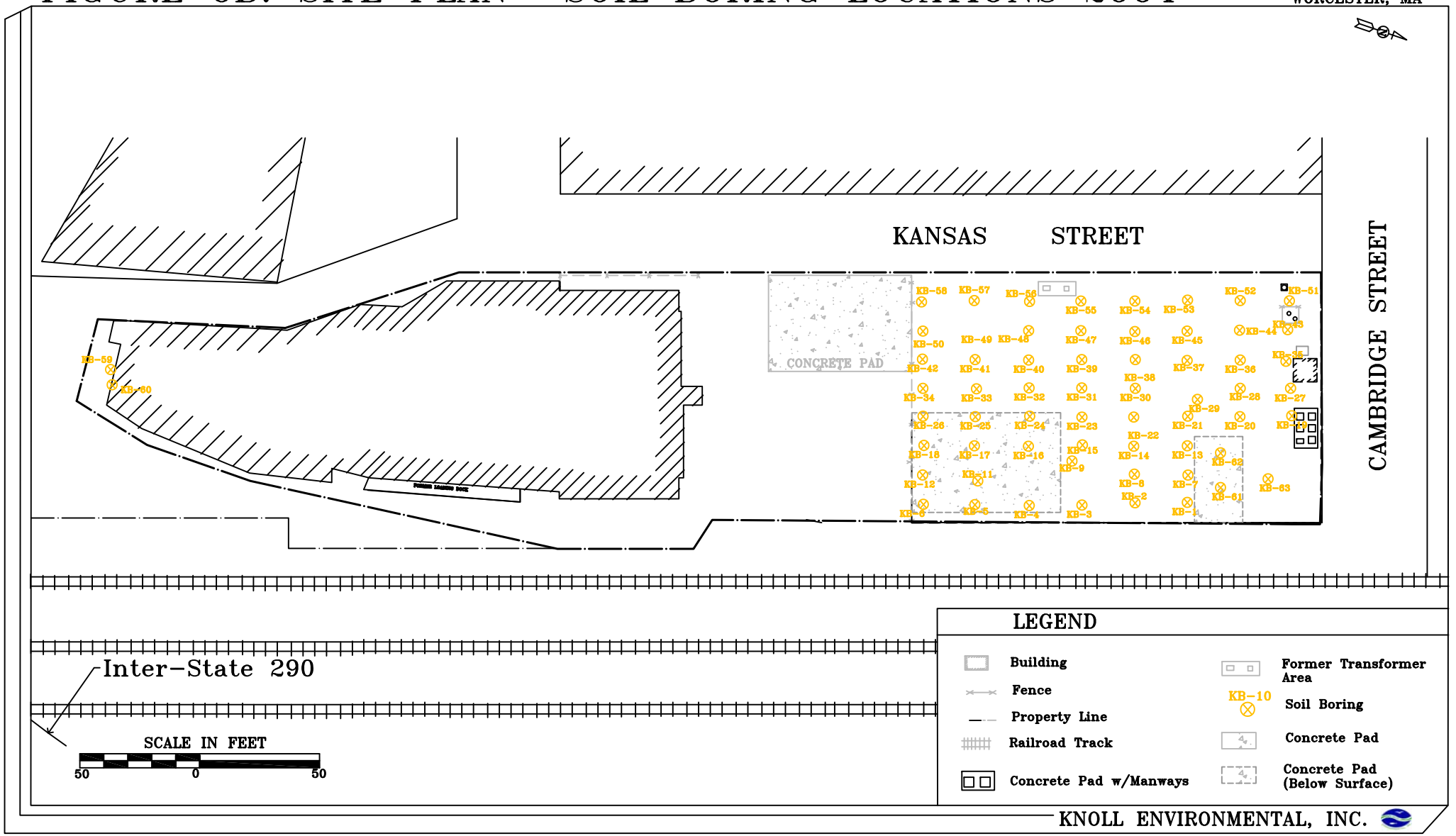
FIGURE 6A: SITE PLAN – CEA SOIL BORING LOCATIONS 1997–2002



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FIGURE 6B: SITE PLAN –SOIL BORING LOCATIONS 2004

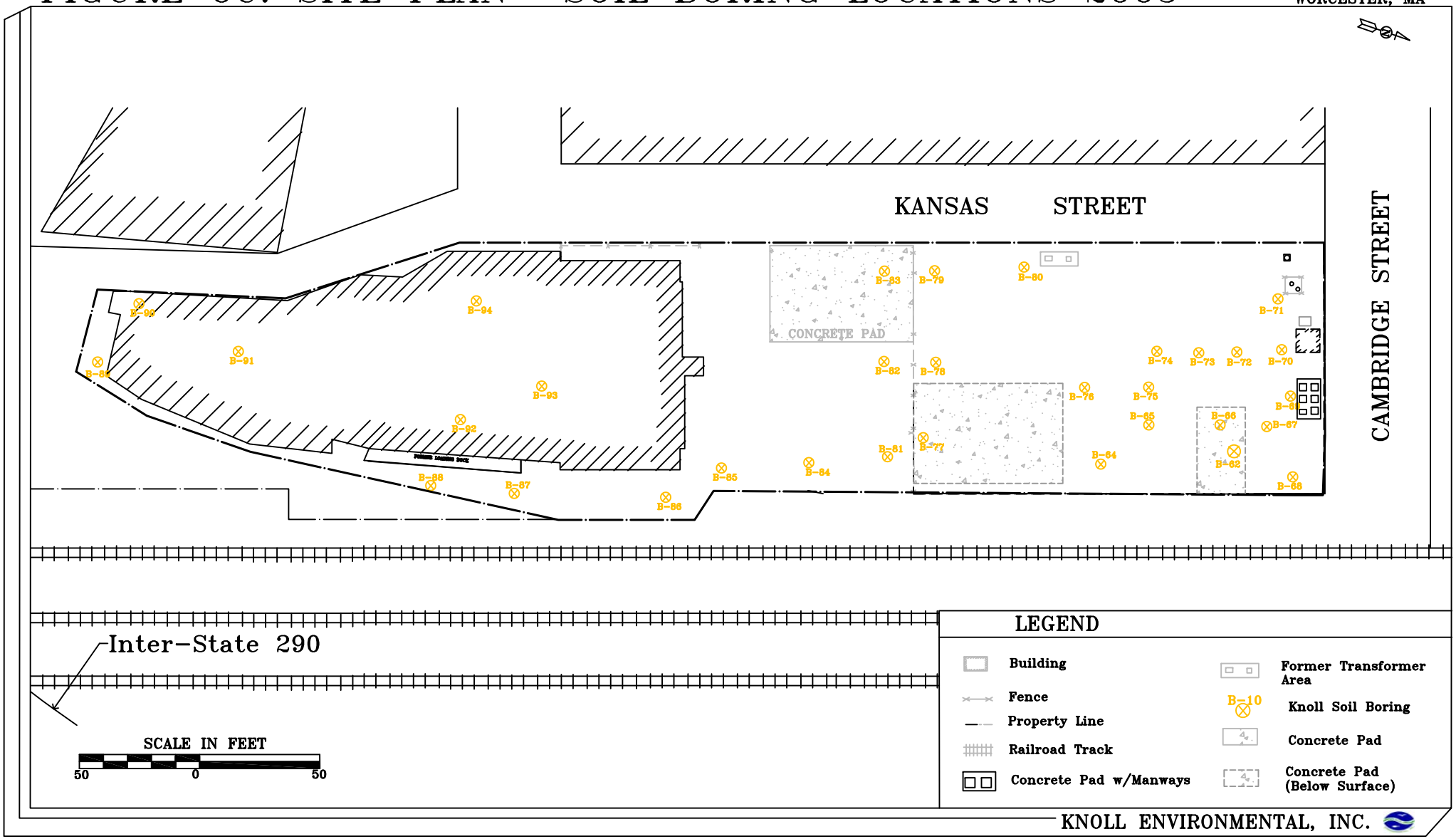
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FIGURE 6C: SITE PLAN –SOIL BORING LOCATIONS 2005

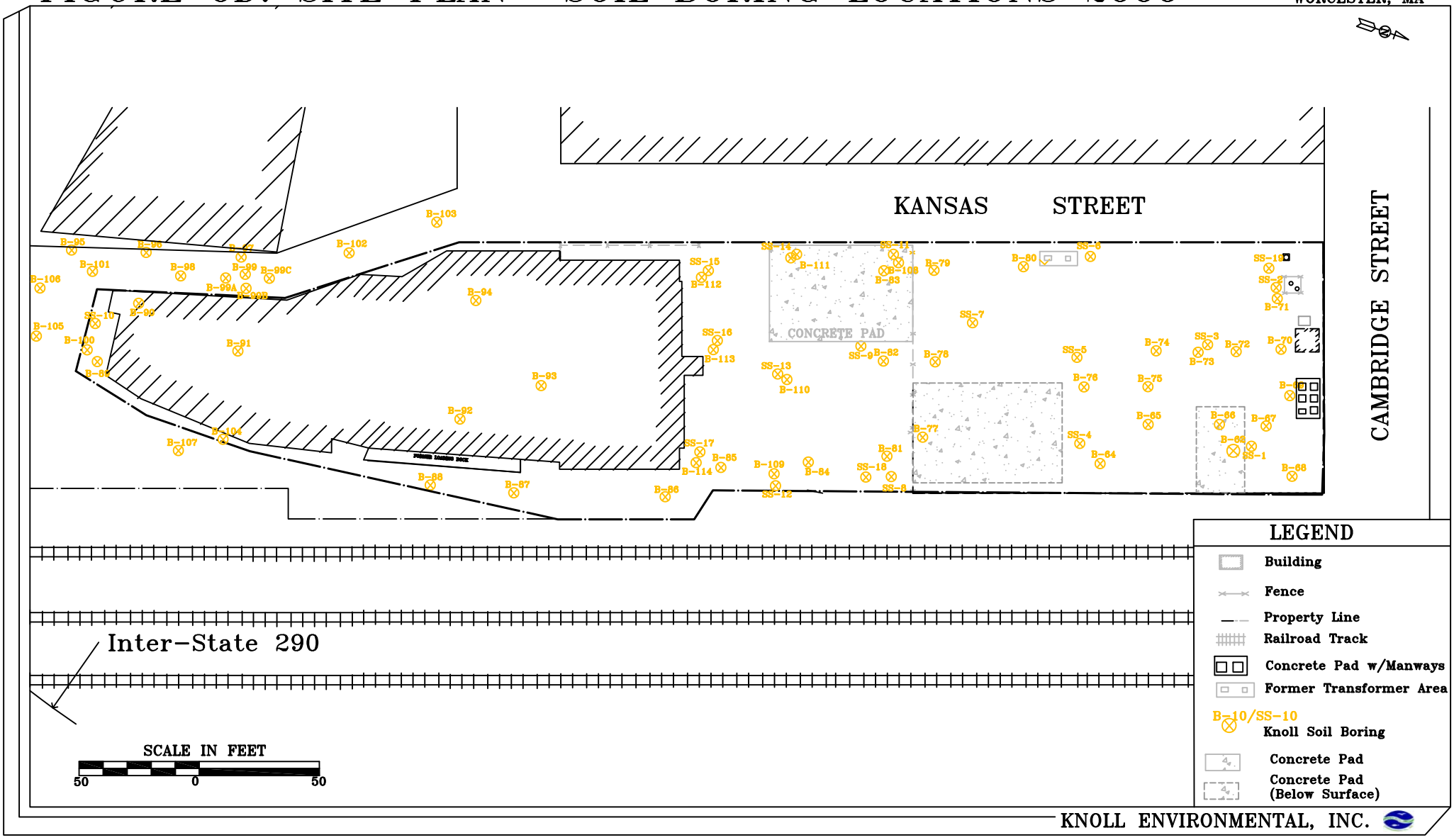
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FIGURE 6D: SITE PLAN –SOIL BORING LOCATIONS 2006

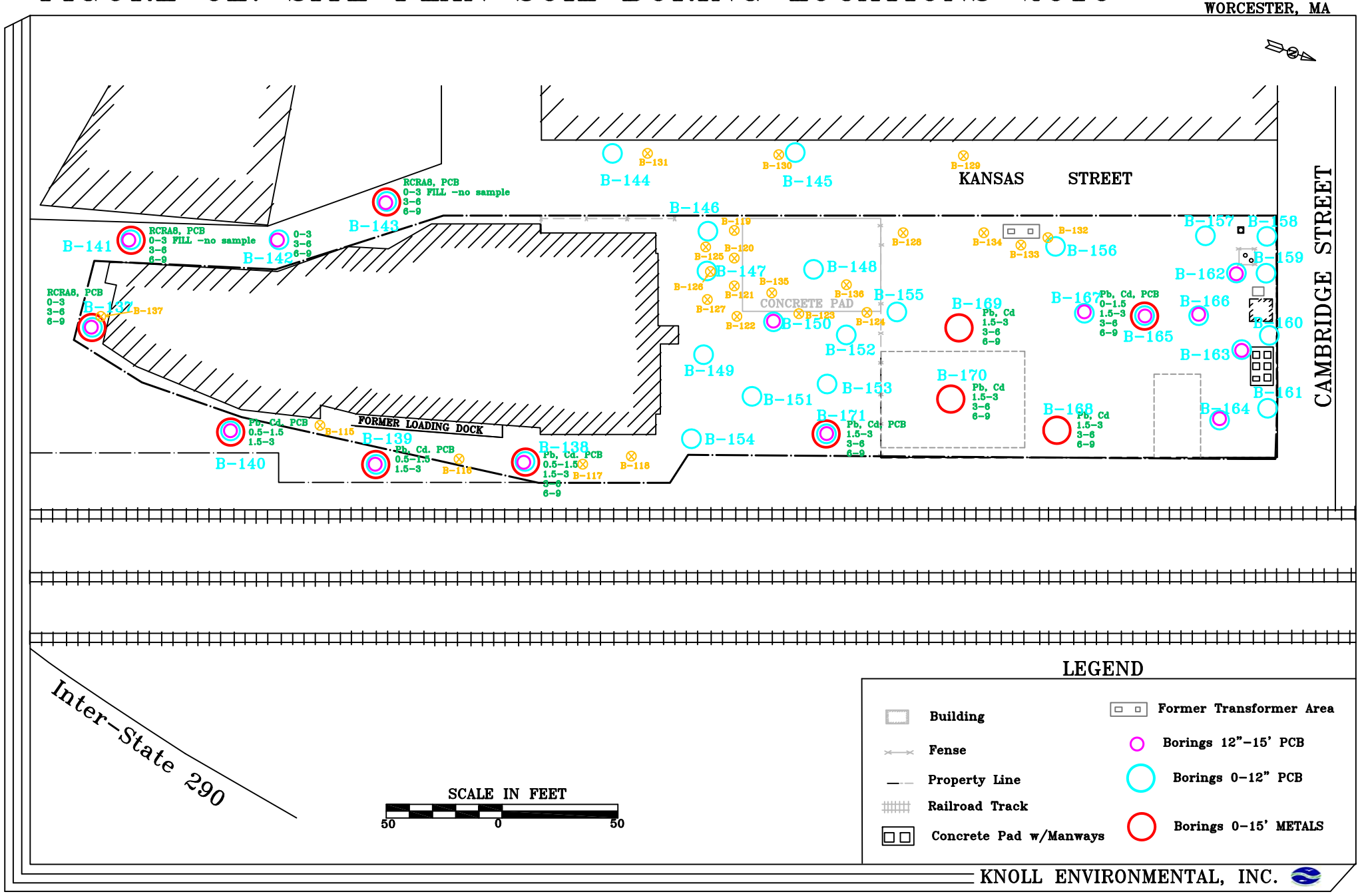
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FIGURE 6E: SITE PLAN SOIL BORING LOCATIONS–2010

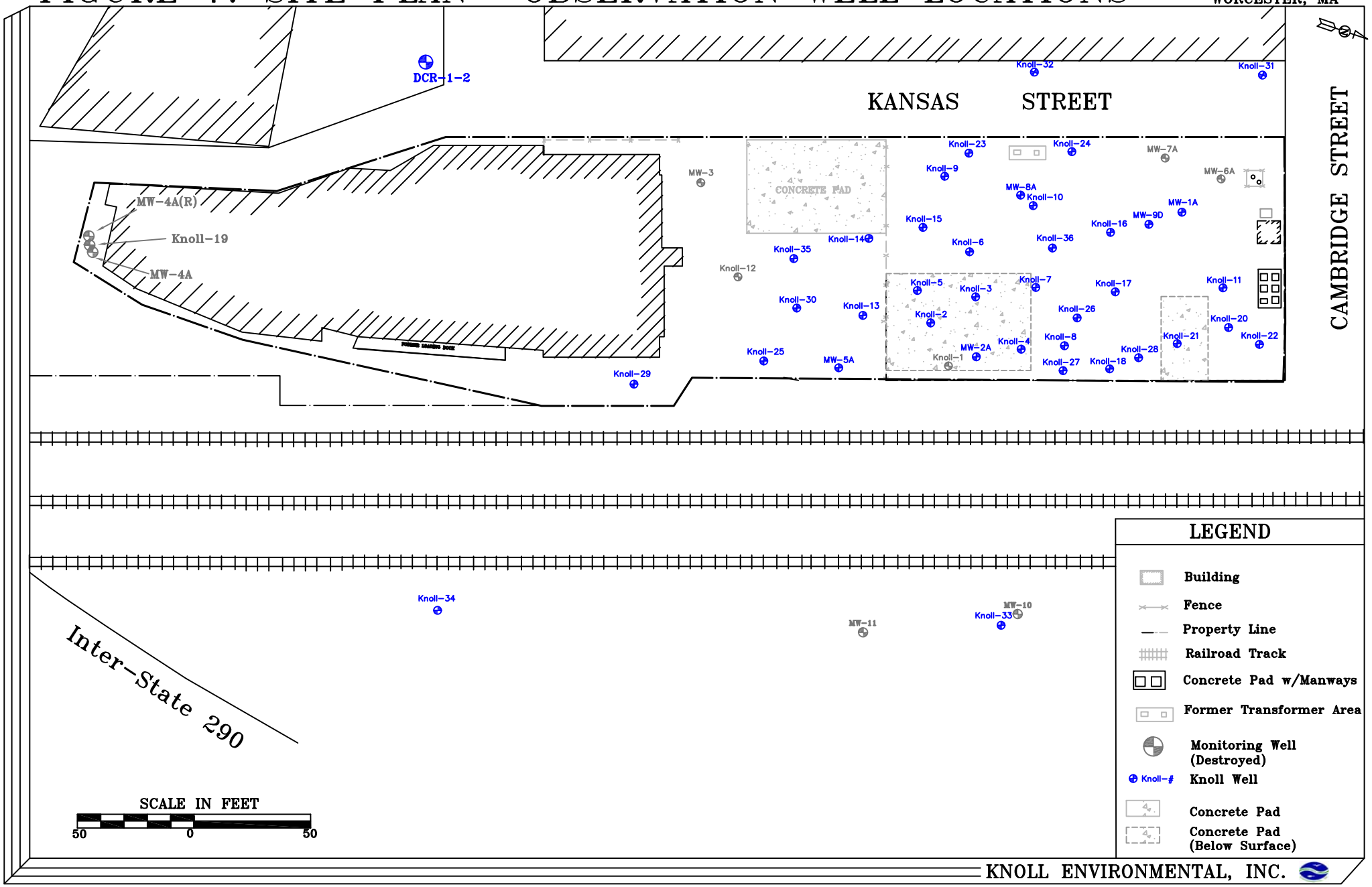
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FIGURE 7: SITE PLAN –OBSERVATION WELL LOCATIONS

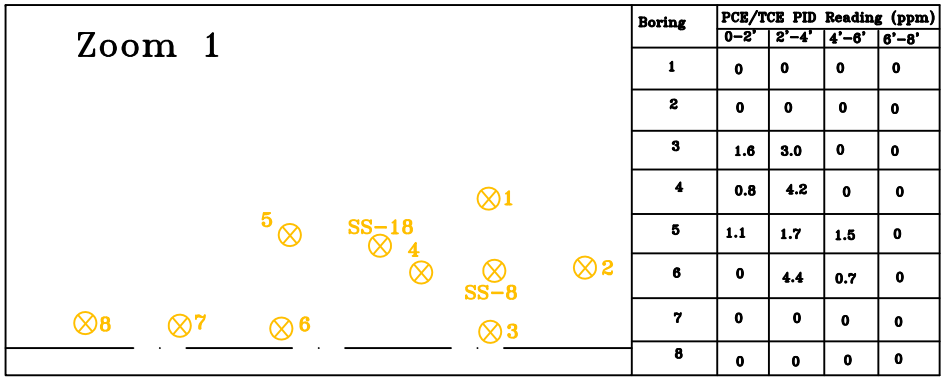
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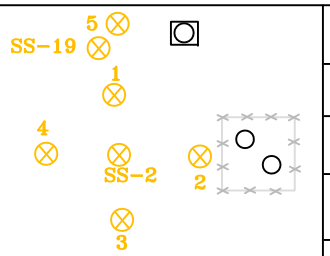
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FIGURE 8: CHLORINATED VOCs in SOIL

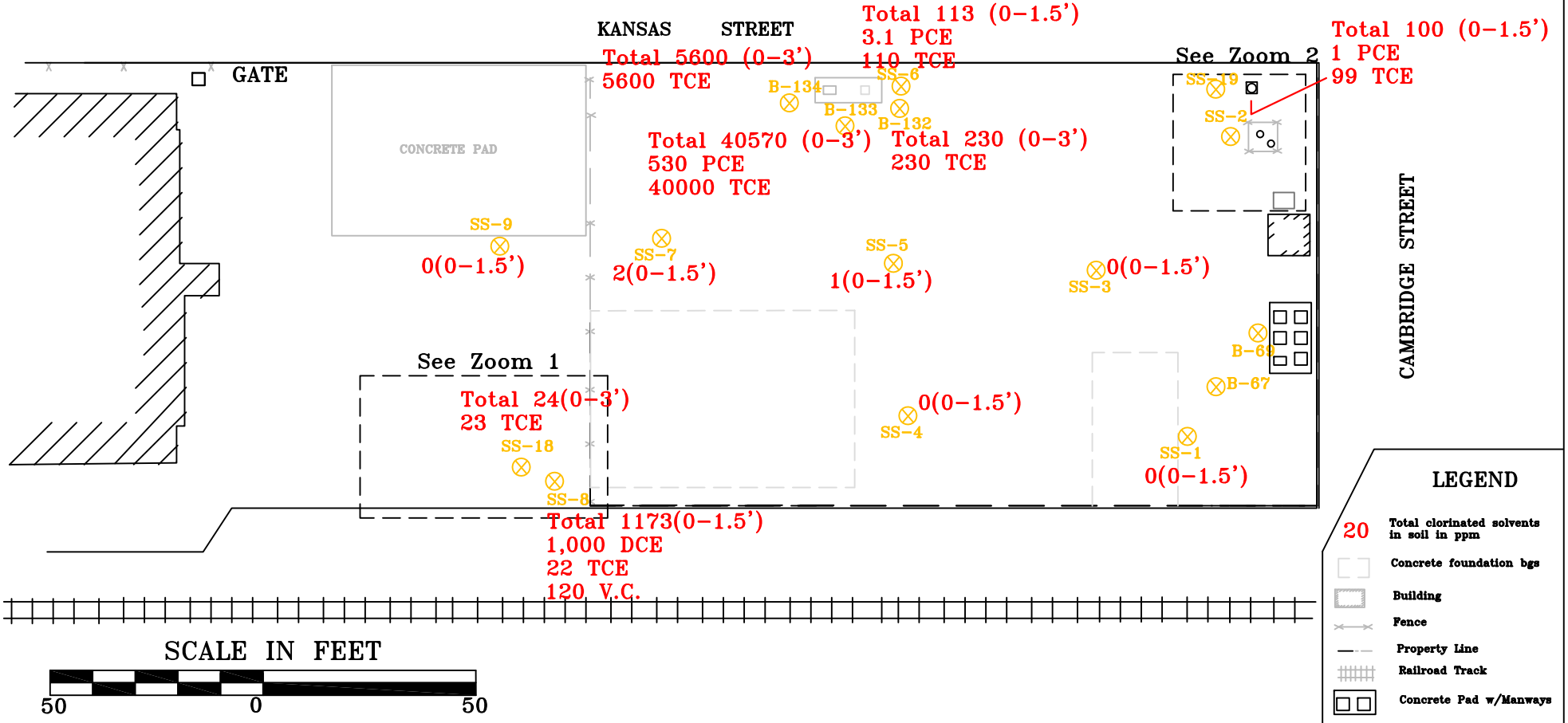
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Boring	PCE/TCE PID Reading (ppm)			
	0–2'	2'–4'	4'–6'	6'–8'
1	0	0	0	0
2	0	0	0	0
3	1.6	3.0	0	0
4	0.8	4.2	0	0
5	1.1	1.7	1.5	0
6	0	4.4	0.7	0
7	0	0	0	0
8	0	0	0	0



Boring	PCE/TCE PID Reading (ppm)			
	0–2'	2'–5'	5'–6'	6'–8'
1	3.3	0	0	0
2	0	0	0	0
3	0	0	0	0
4	4.0	0	0	0
5	0	0	0	0



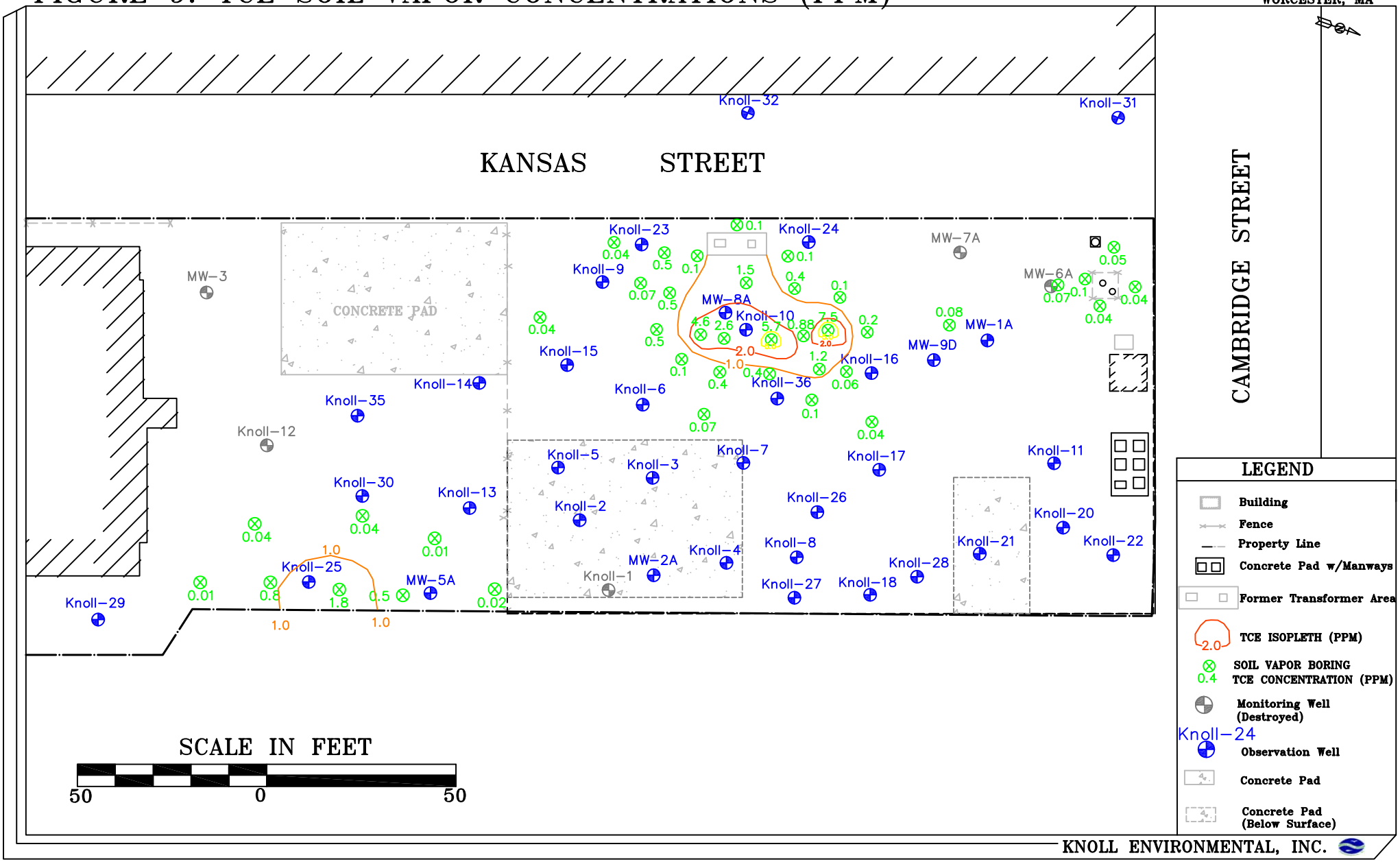
LEGEND

- 20 — Total clorinated solvents in soil in ppm
- Concrete foundation bgs
- Building
- Fence
- Property Line
- Railroad Track
- Concrete Pad w/Manways
- Former Transformer Area
- SS-10 — Soil Boring

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FIGURE 9: TCE SOIL VAPOR CONCENTRATIONS (PPM)

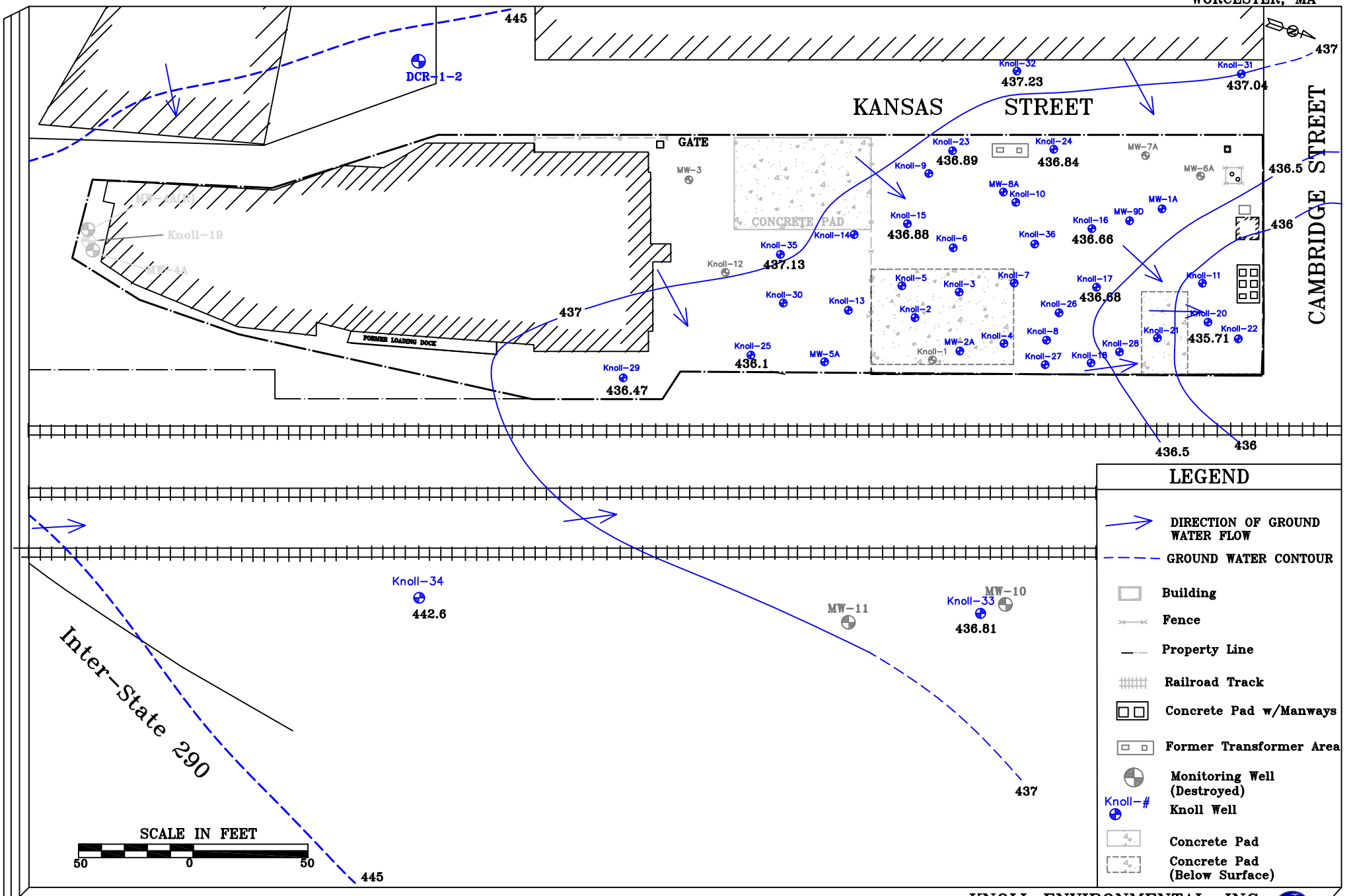
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FIGURE 10: GROUND WATER CONTOUR MAP

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FIGURE 11: LNAPL THICKNESS MAP

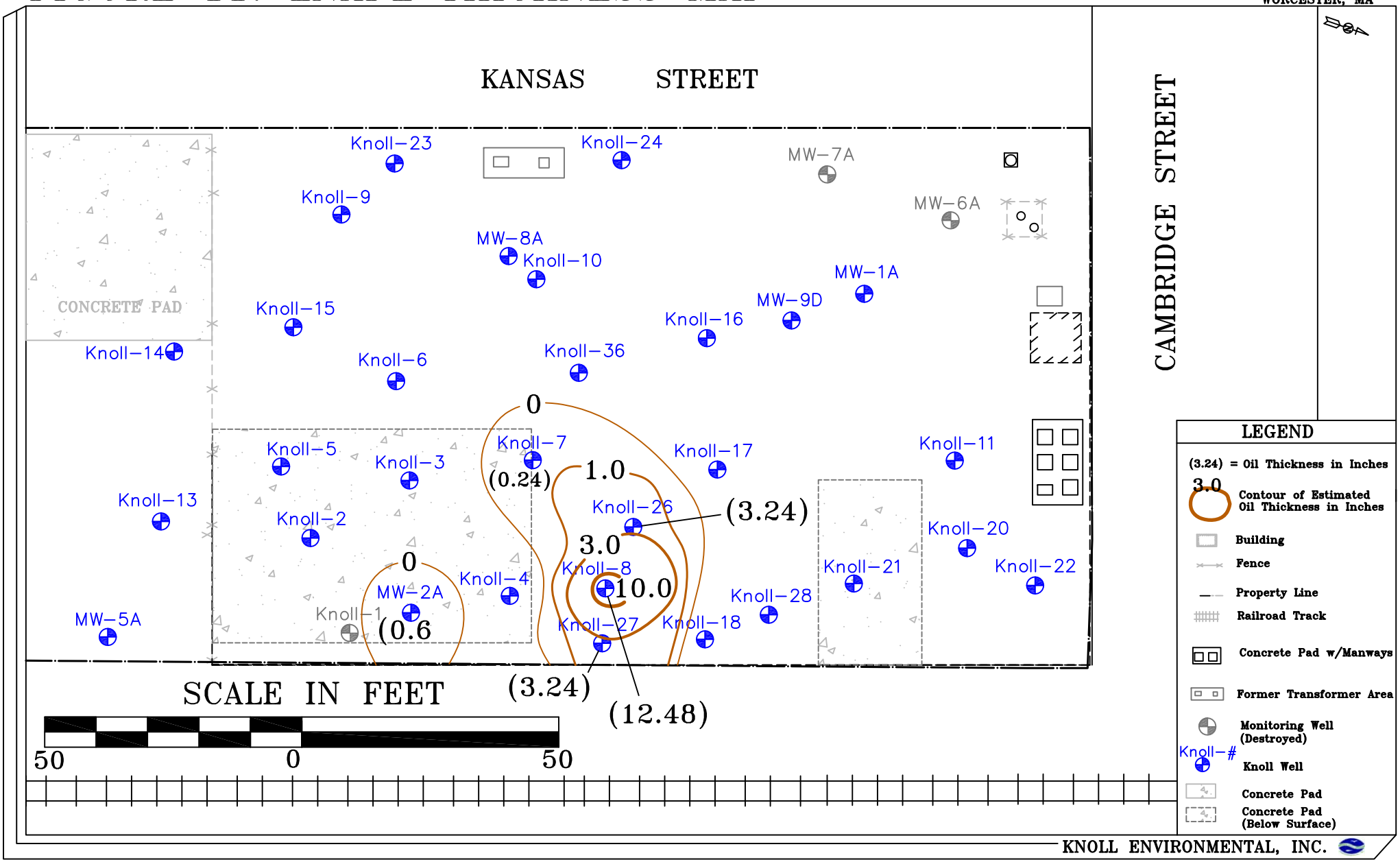


FIGURE 12: Site Plan–Surficial Soils PCBs (0–12") Southern Portion

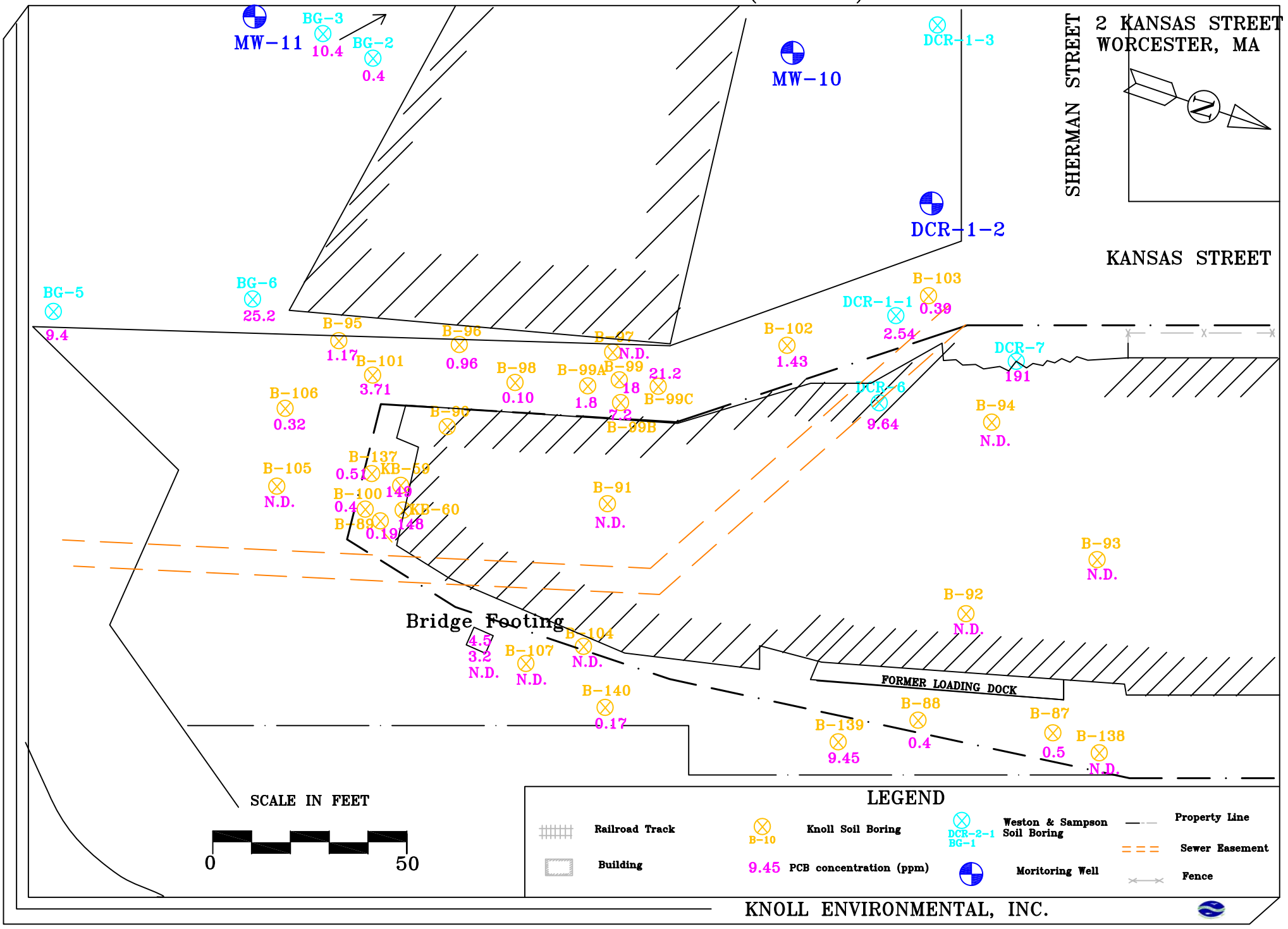
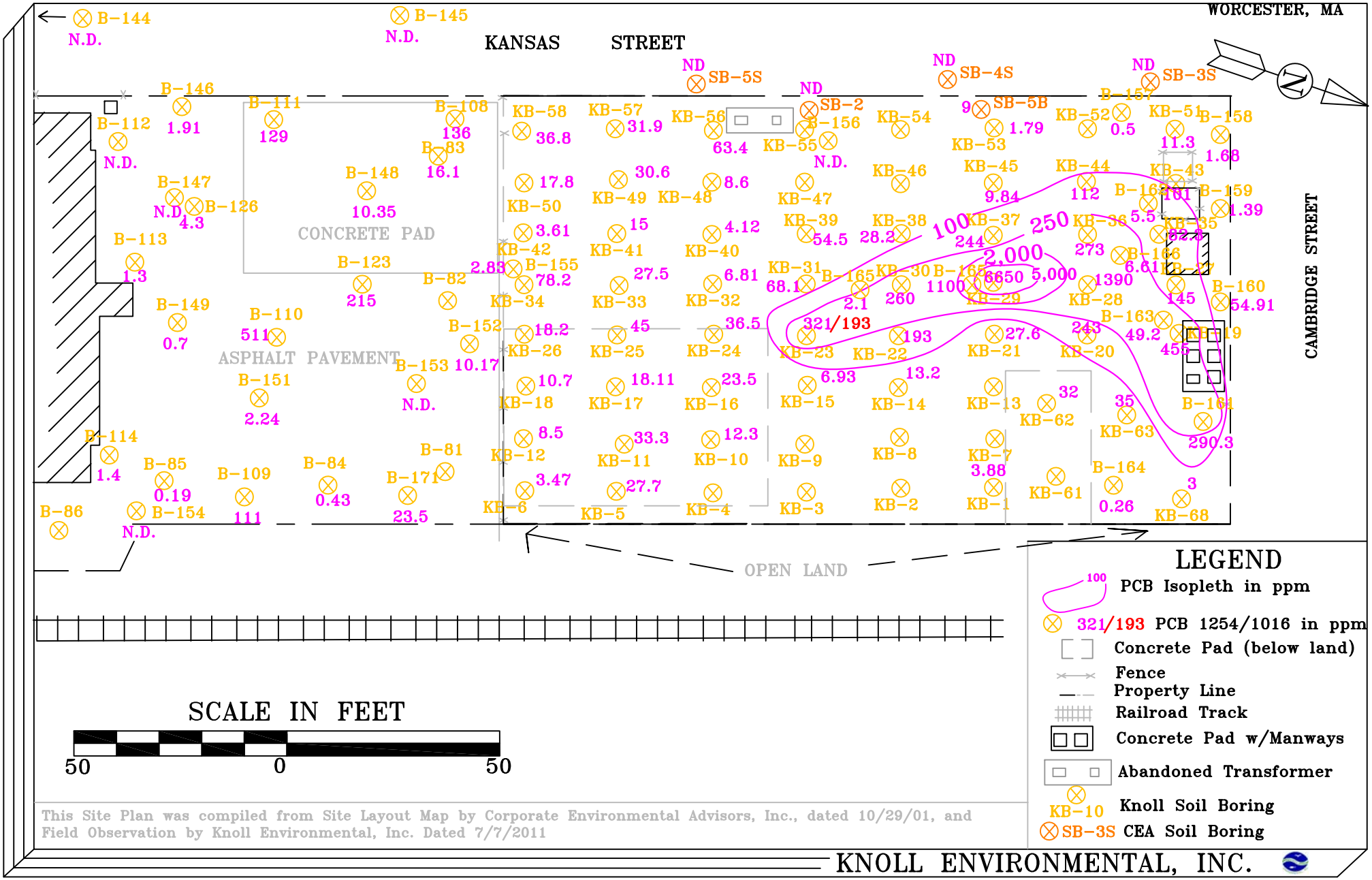


FIGURE 13: SITE PLAN–PCB SURFICIAL SOILS (0–12 INCHES) NORTHERN PORTION

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LEGEND

- 100 PCB Isopleth in ppm
- 321/193 PCB 1254/1016 in ppm
- Concrete Pad (below land)
- Fence
- Property Line
- Railroad Track
- Concrete Pad w/Manways
- Abandoned Transformer
- KB-10 Knoll Soil Boring
- SB-3S CEA Soil Boring

This Site Plan was compiled from Site Layout Map by Corporate Environmental Advisors, Inc., dated 10/29/01, and Field Observation by Knoll Environmental, Inc. Dated 7/7/2011

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FIGURE 14: Detailed Site Plan–Southern Portion–PCB Soils at Depth

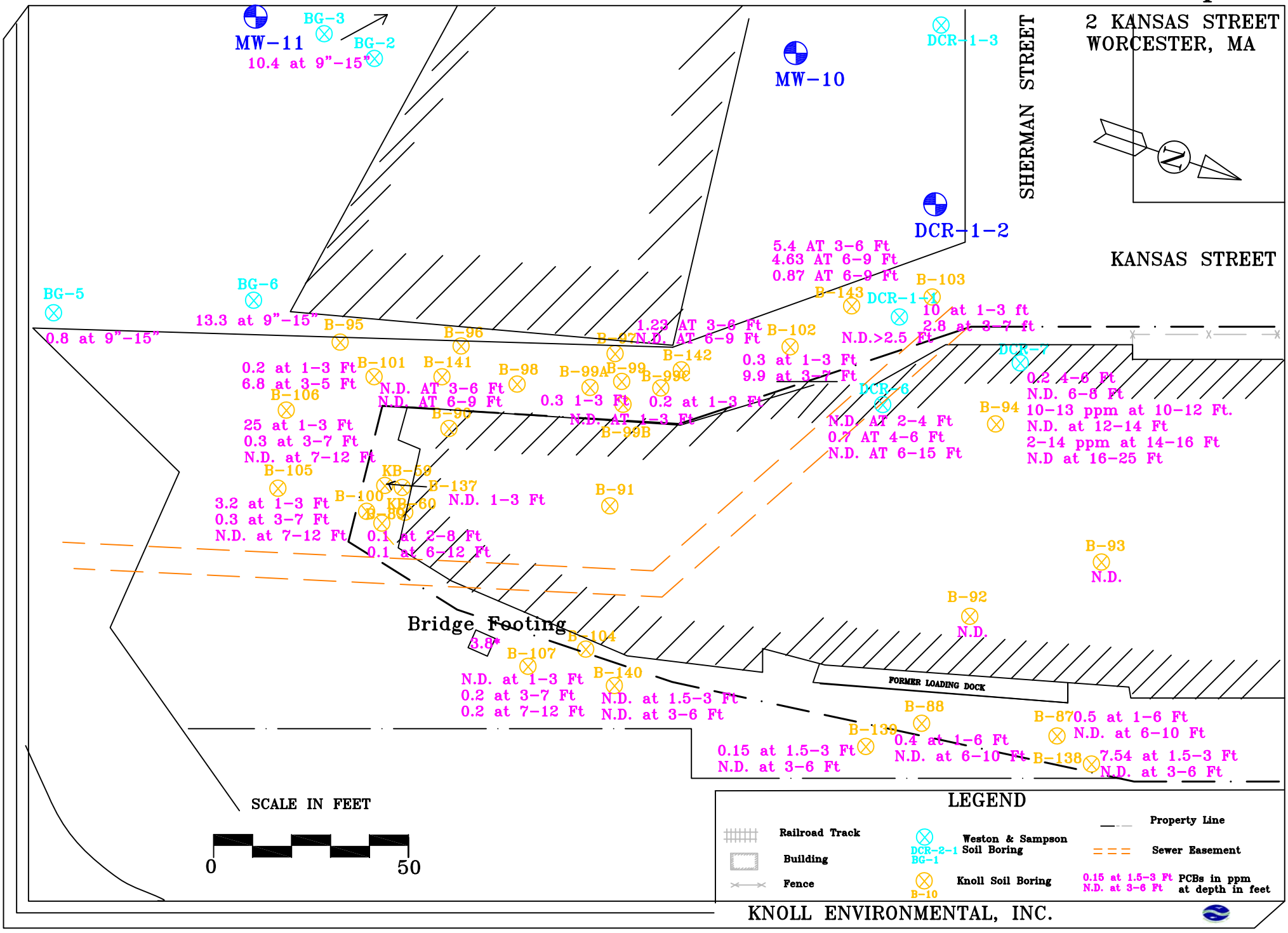
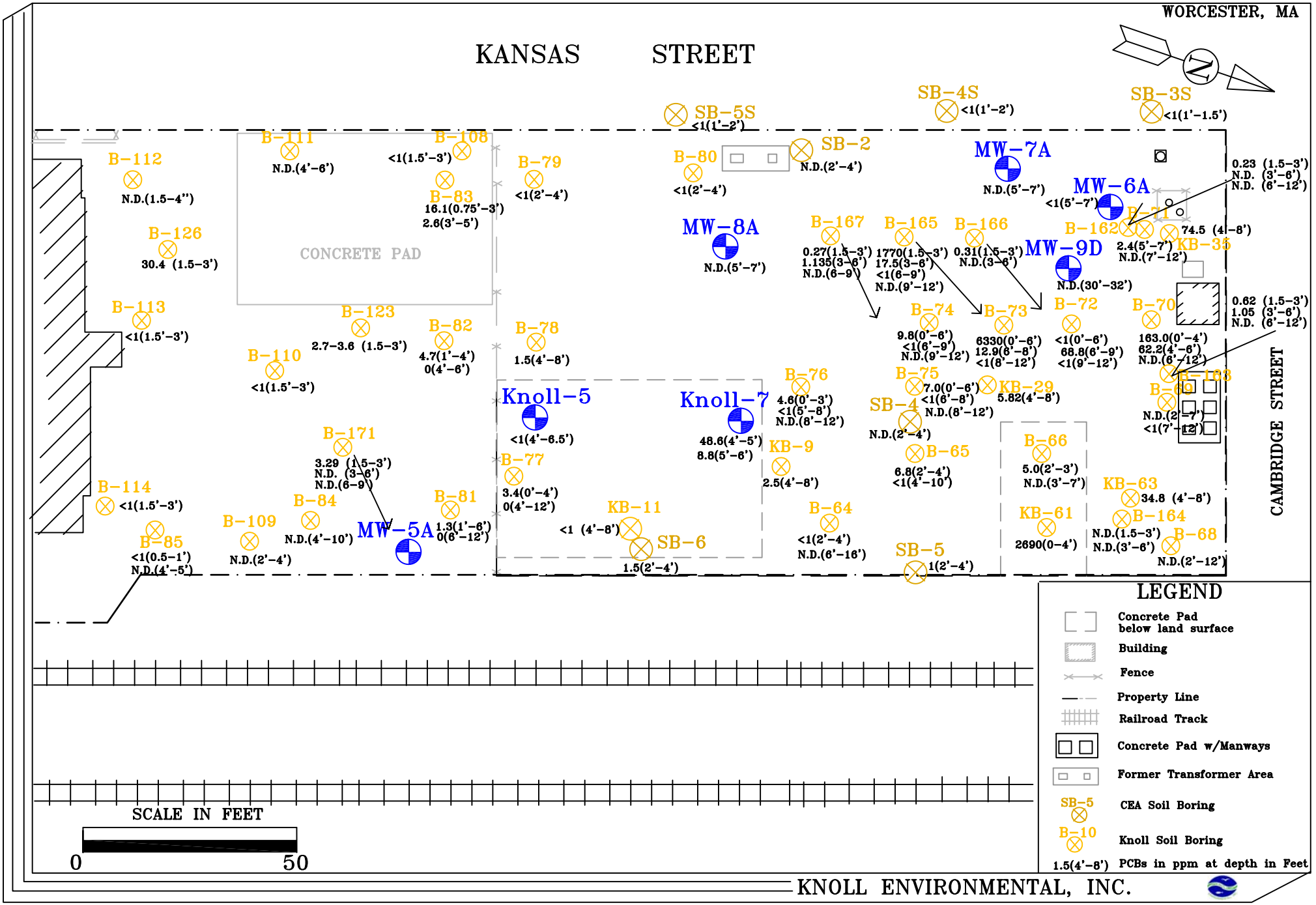


FIGURE 15: DETAILED SITE PLAN–NORTHERN PORTION – PCB SOILS AT DEPTH

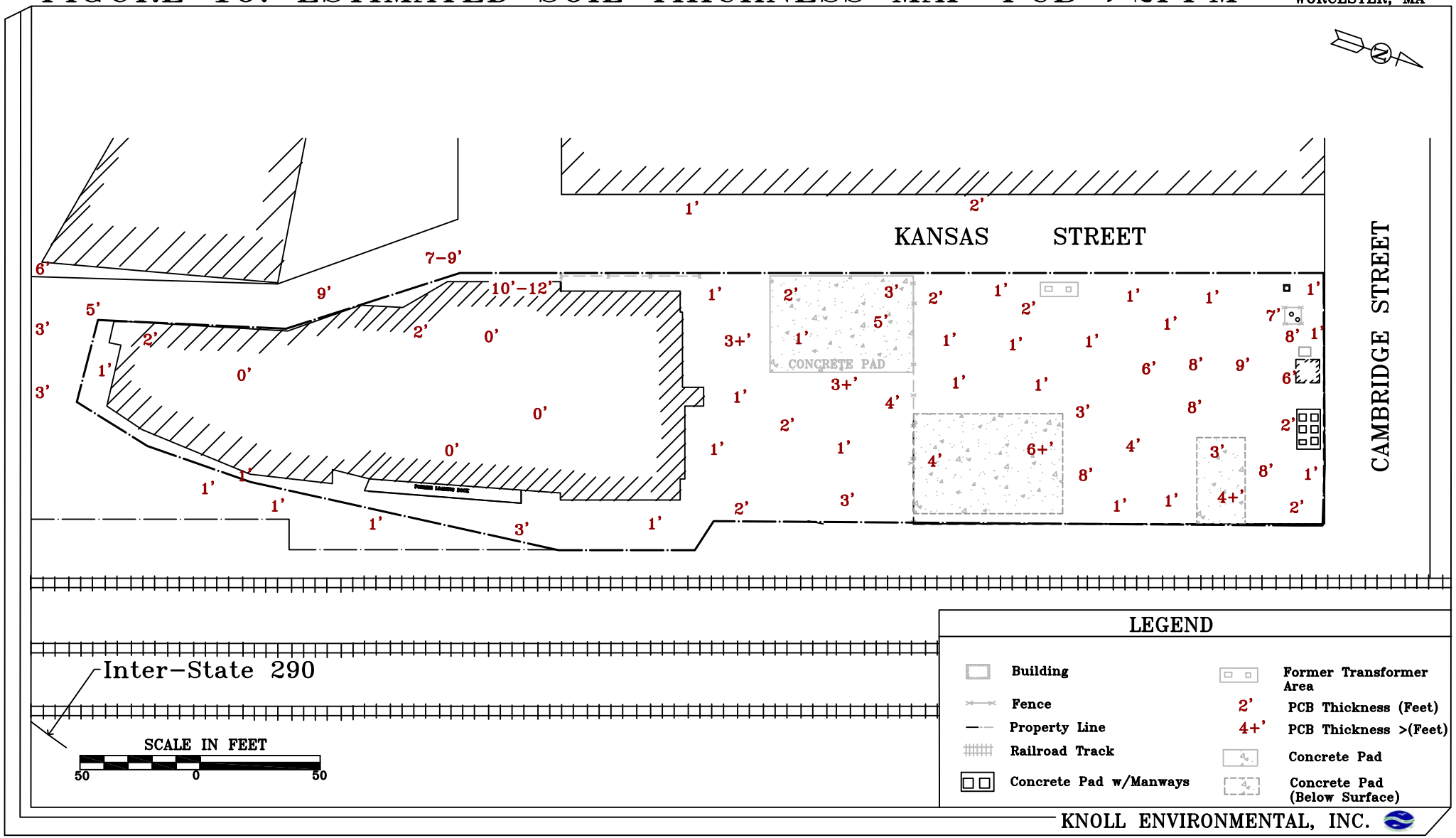
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FIGURE 16: ESTIMATED SOIL THICKNESS MAP–PCB >2PPM

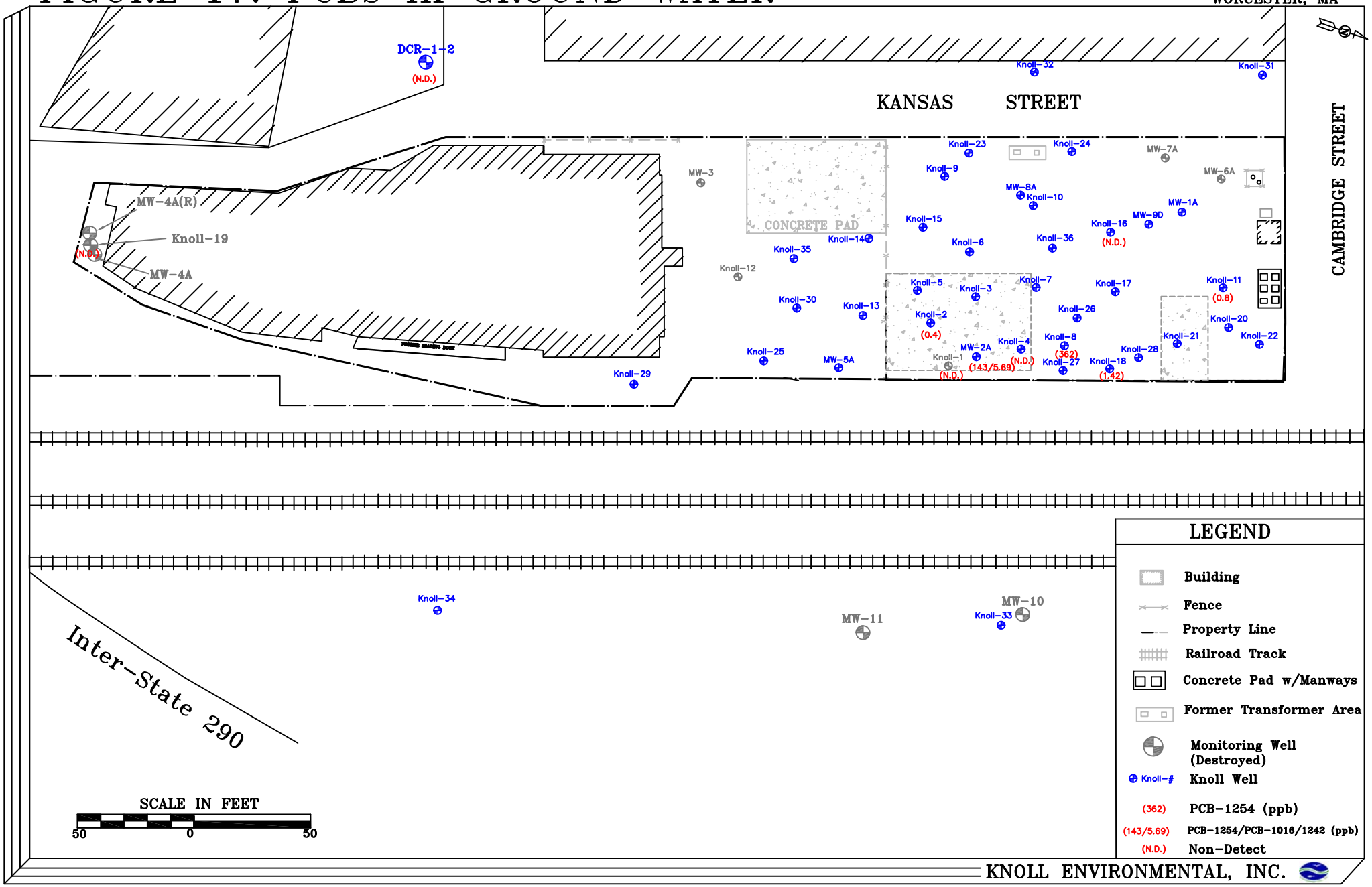
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FIGURE 17: PCBs in GROUND WATER

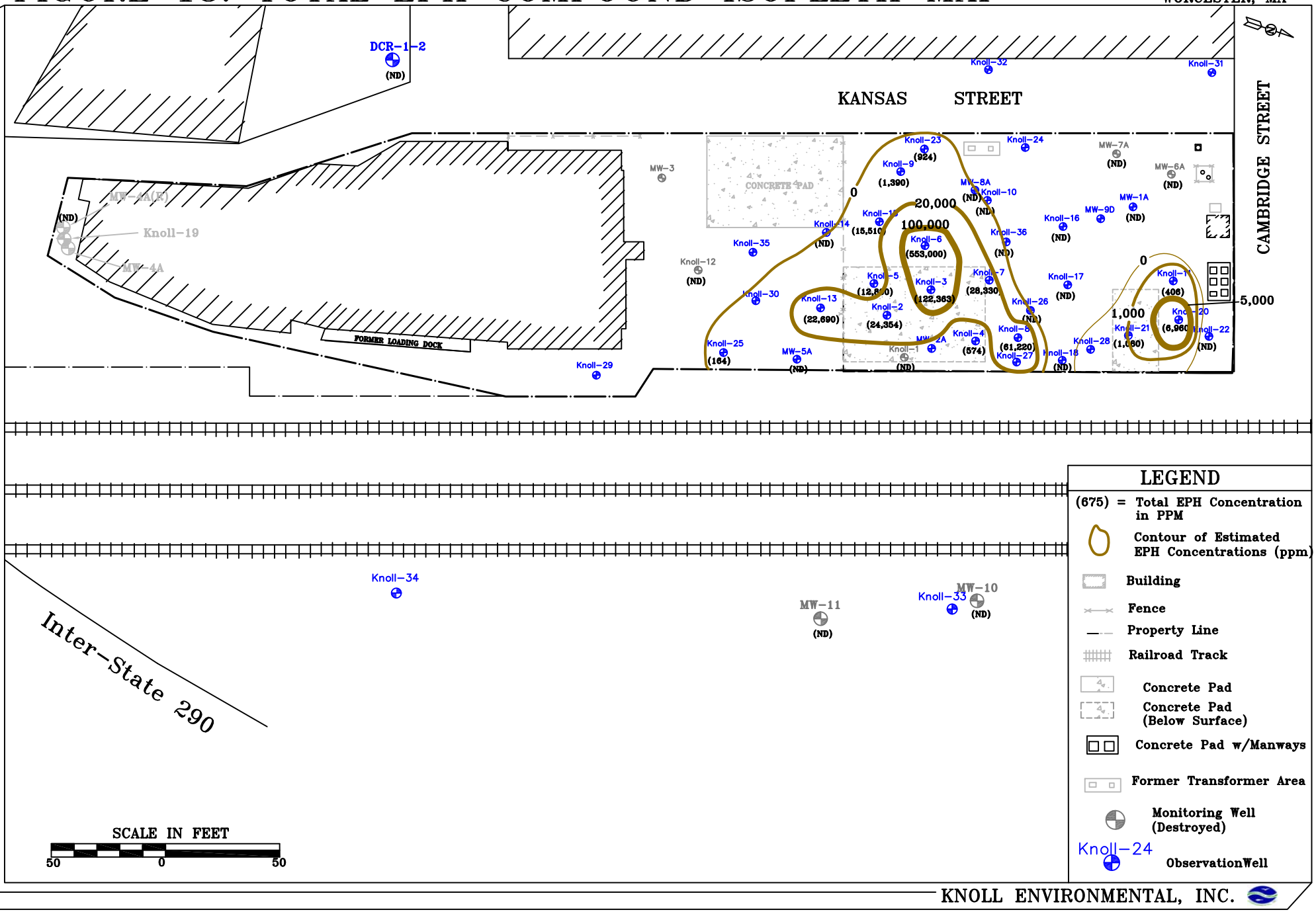
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FIGURE 18: TOTAL EPH COMPOUND ISOPLETH MAP

2 KANSAS STREET
WORCESTER, MA

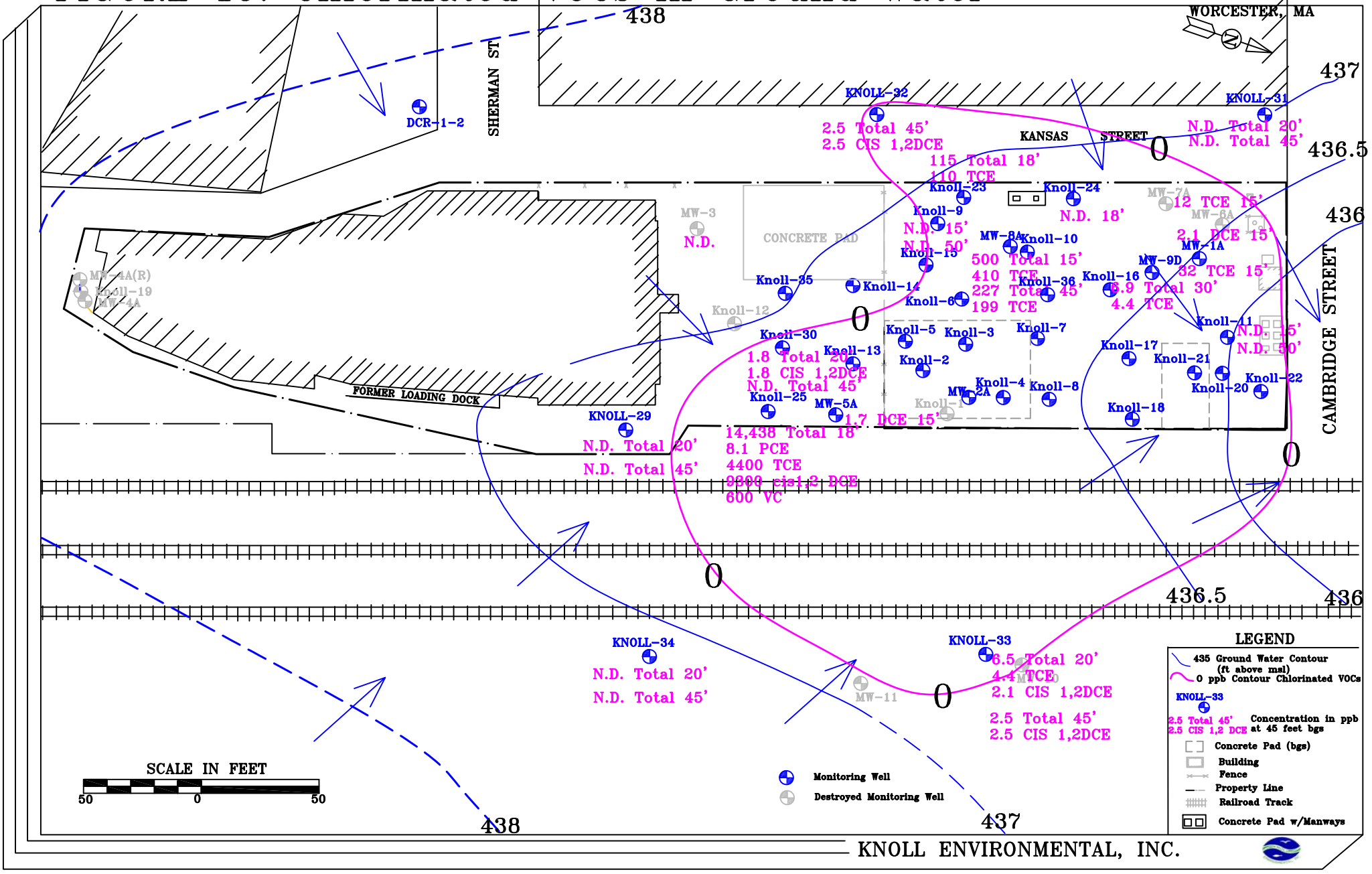


LEGEND

- (675) = Total EPH Concentration in PPM
- Contour of Estimated EPH Concentrations (ppm)
- Building
- Fence
- Property Line
- Railroad Track
- Concrete Pad
- Concrete Pad (Below Surface)
- Concrete Pad w/Manways
- Former Transformer Area
- Monitoring Well (Destroyed)
- Knoll-24 ObservationWell

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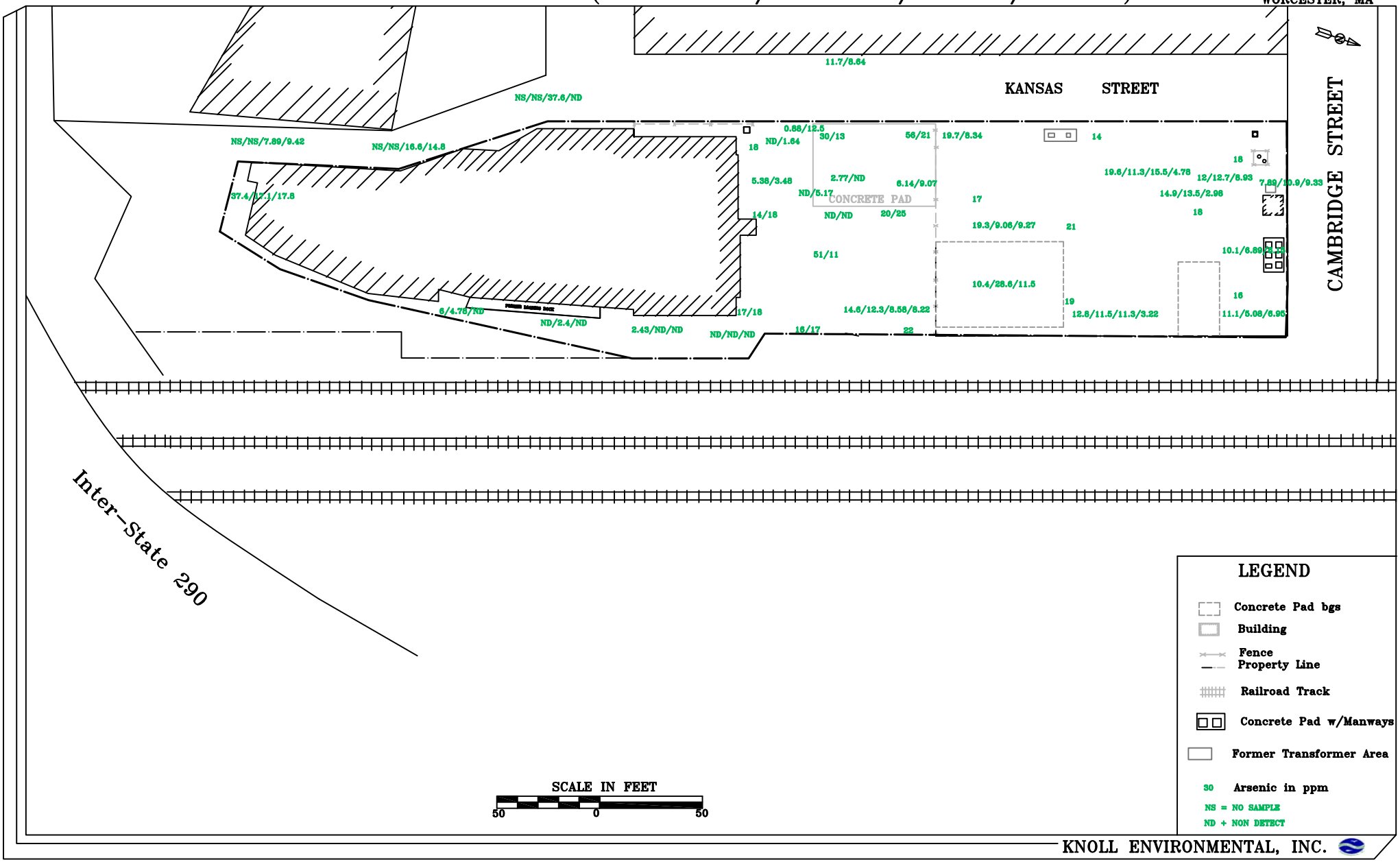
FIGURE 19: Chlorinated VOCs in Ground Water



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FIGURE 20: ARSENIC IN SOILS (0.5'-1.5'/1.5'-3'/3'-6'/6'-9')

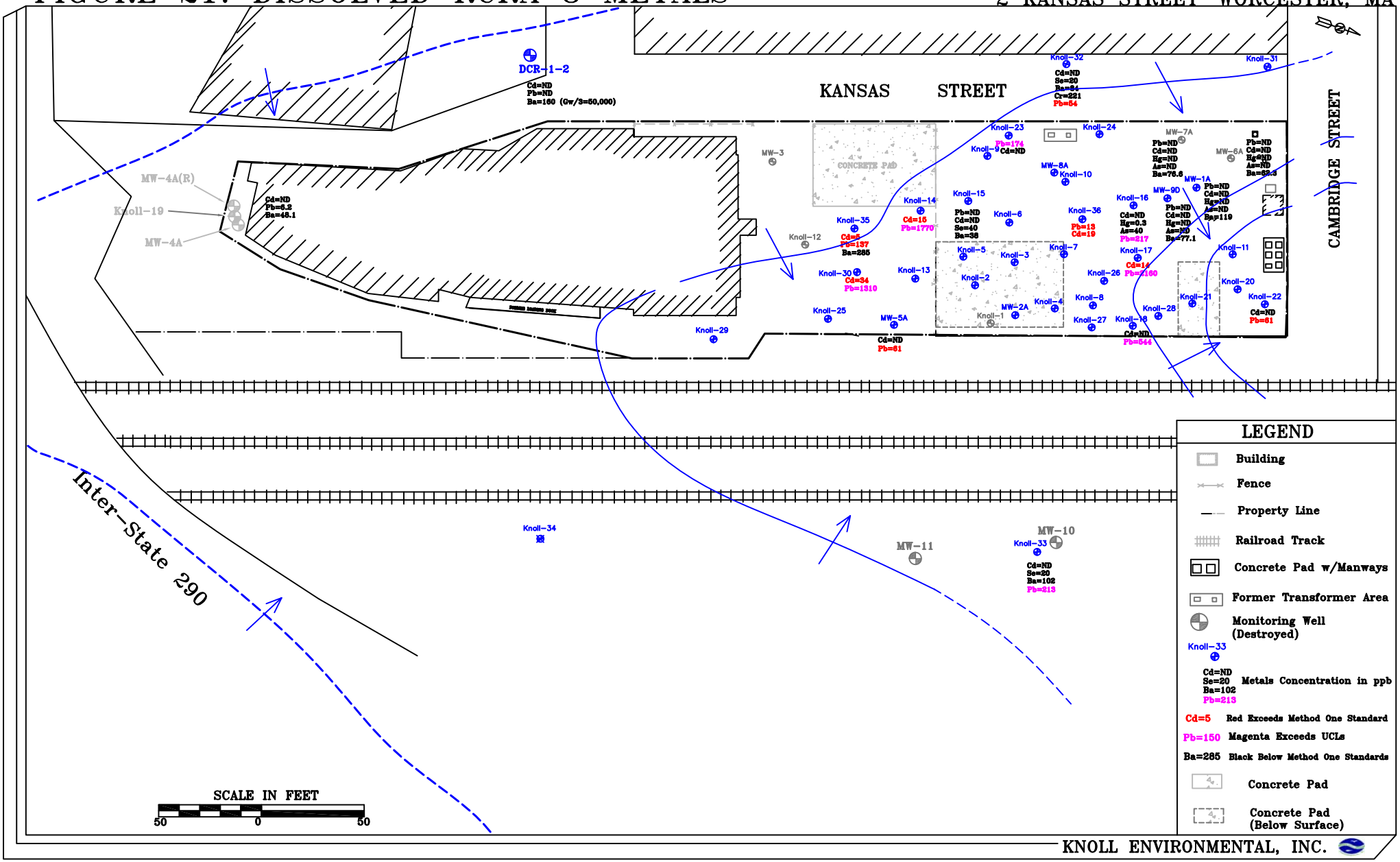
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FIGURE 21: DISSOLVED RCRA 8 METALS

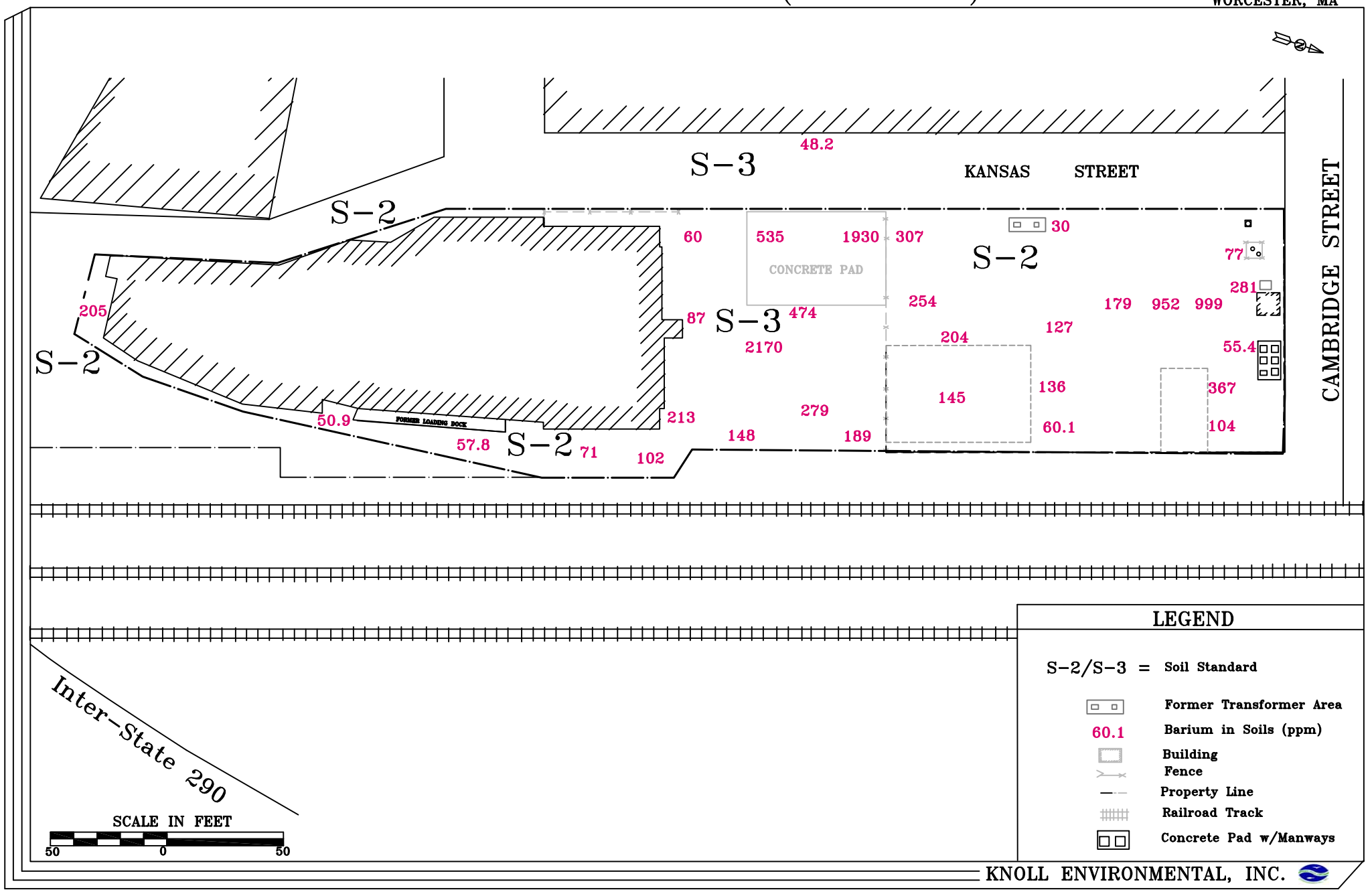
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FIGURE 22 TOTAL BARIUM IN SOILS (0.5'-1.5')

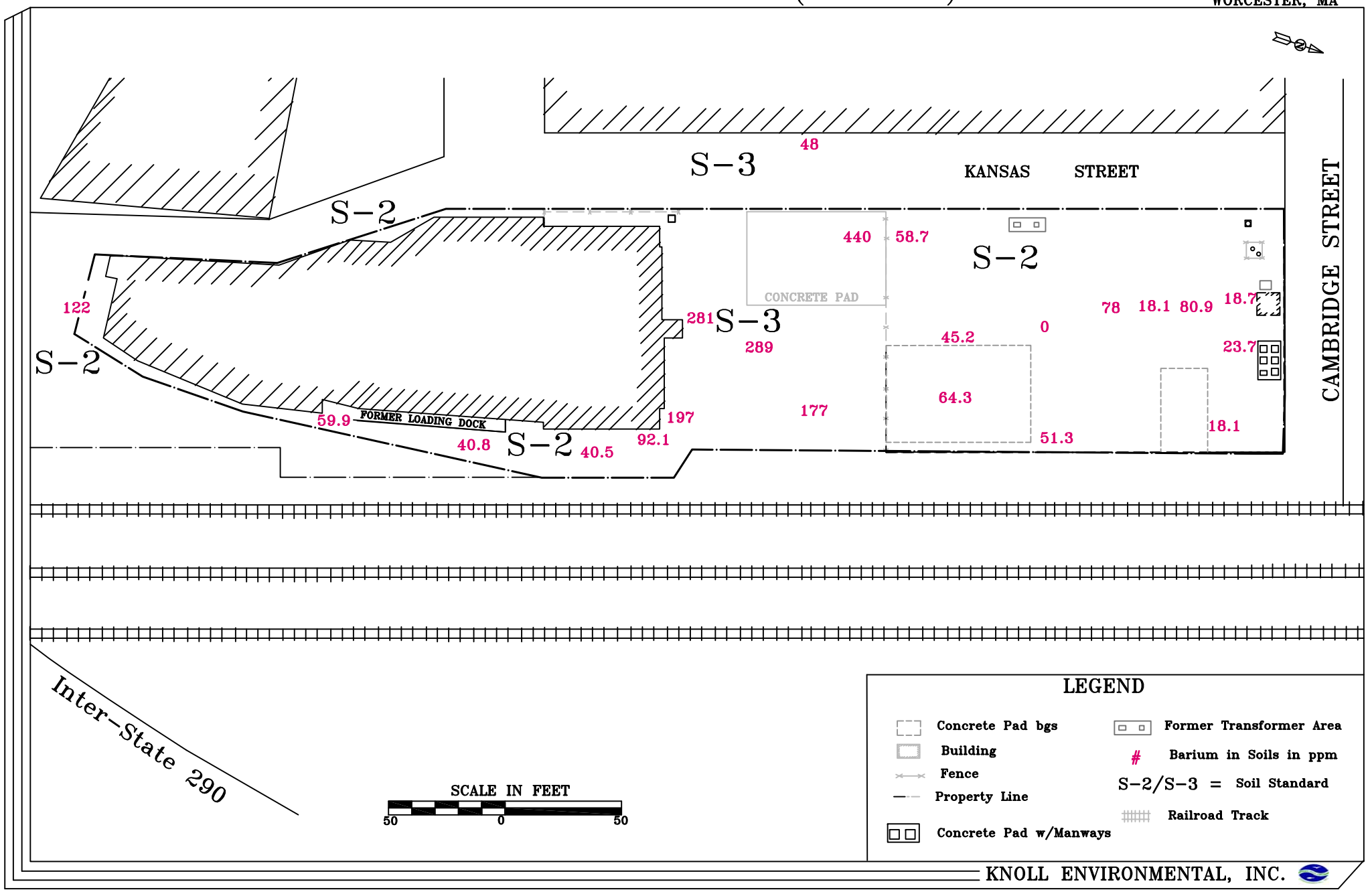
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FIGURE 23: TOTAL BARIUM IN SOILS (1.5'-3')

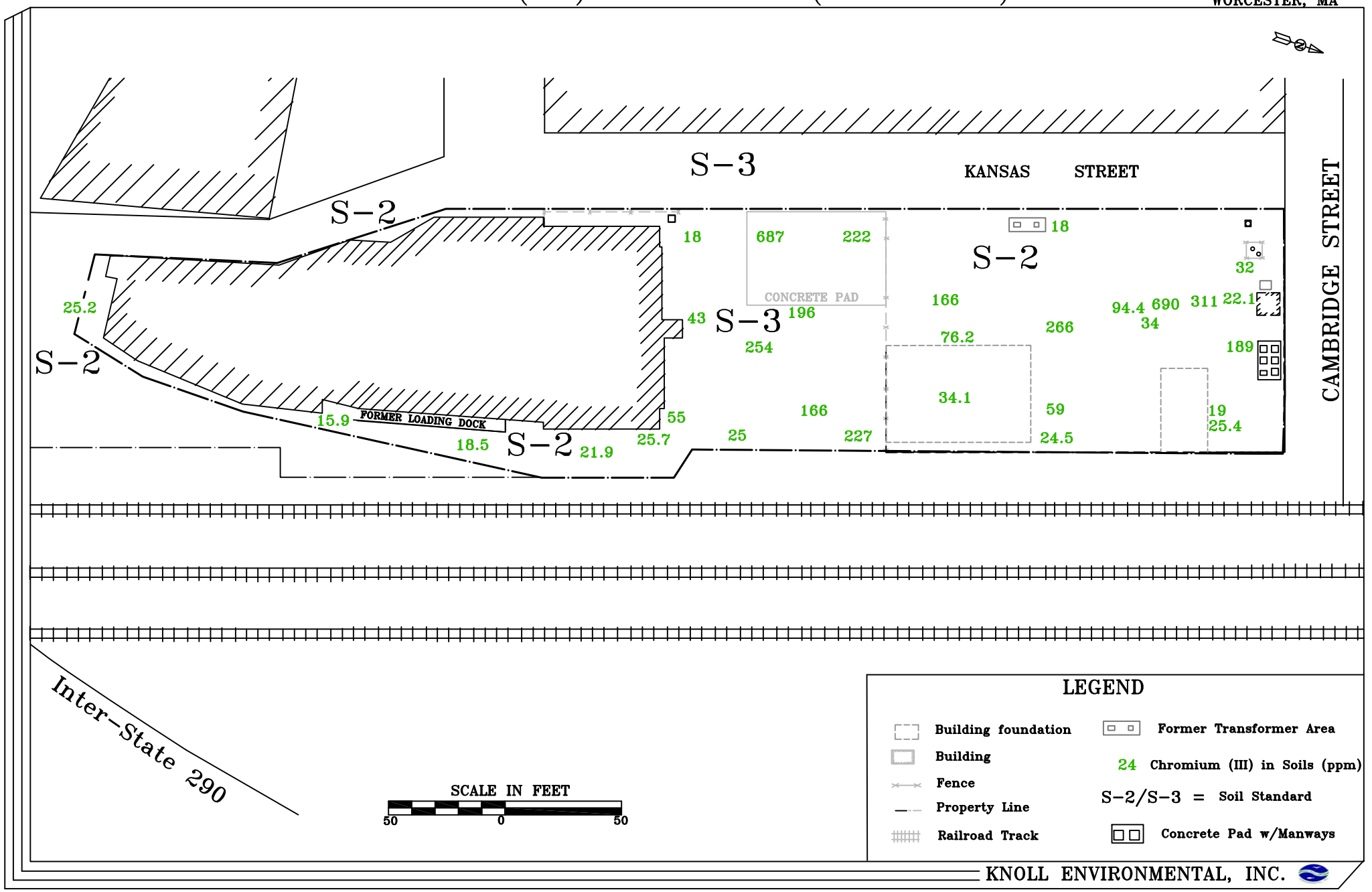
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FIGURE 24: CHROMIUM (III) IN SOILS (0.5'-1.5')

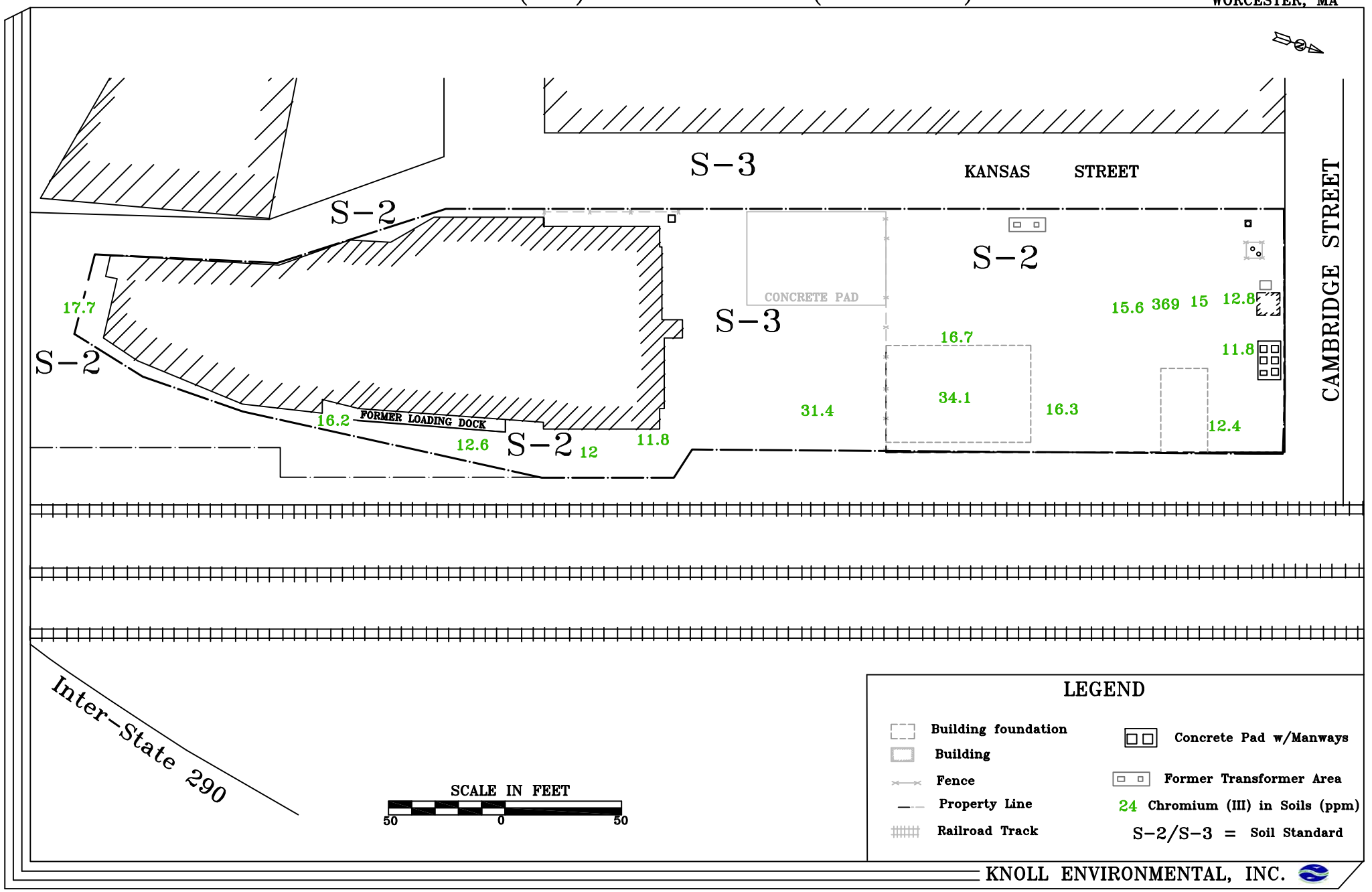
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FIGURE 25: CHROMIUM (III) IN SOILS (1.5'-3')

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FIGURE 26: LEAD AND CADMIUM IN SOILS (0.5' – 1.5')

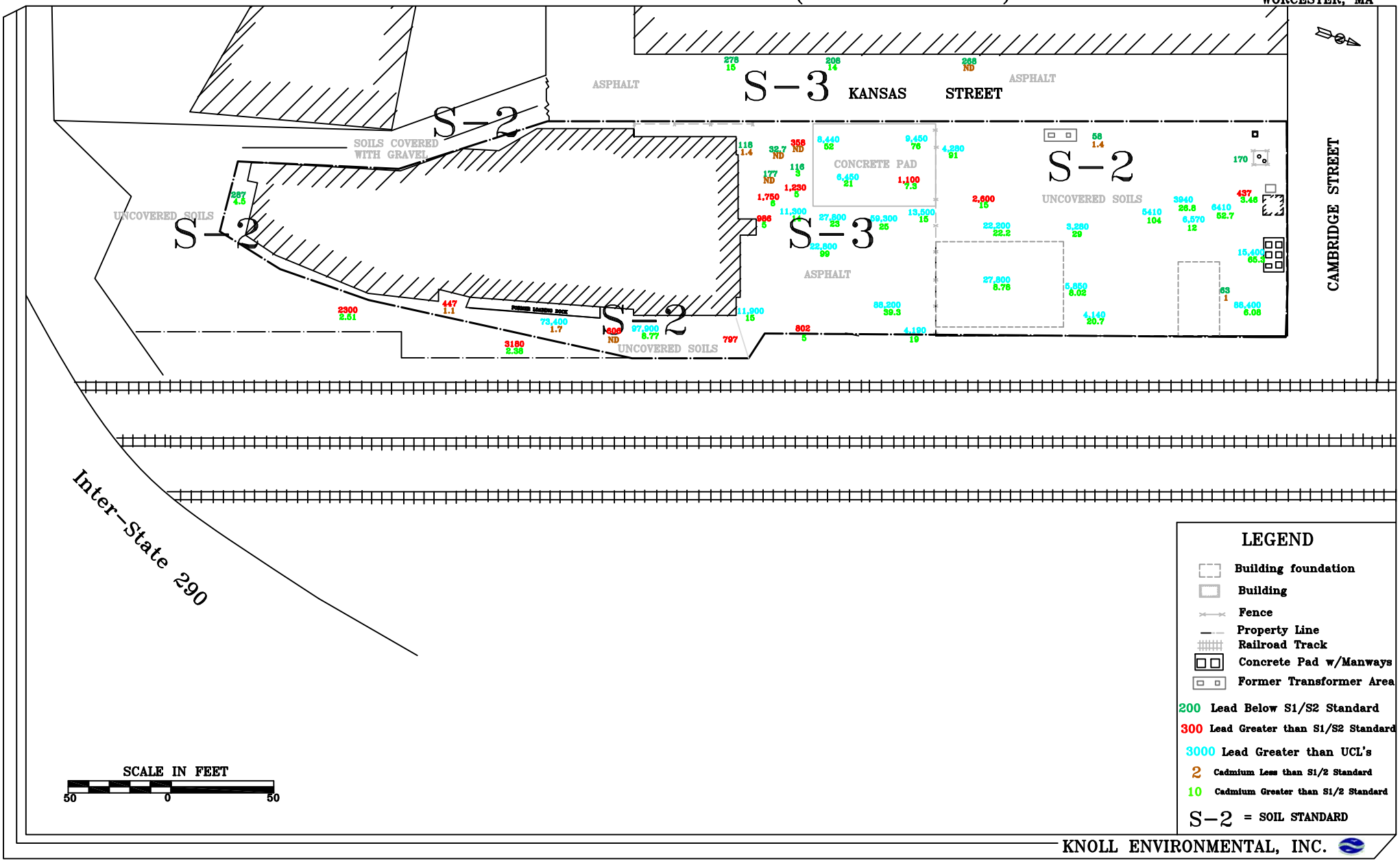


FIGURE 27: LEAD AND CADMIUM IN SOILS (1.5' – 3.0')

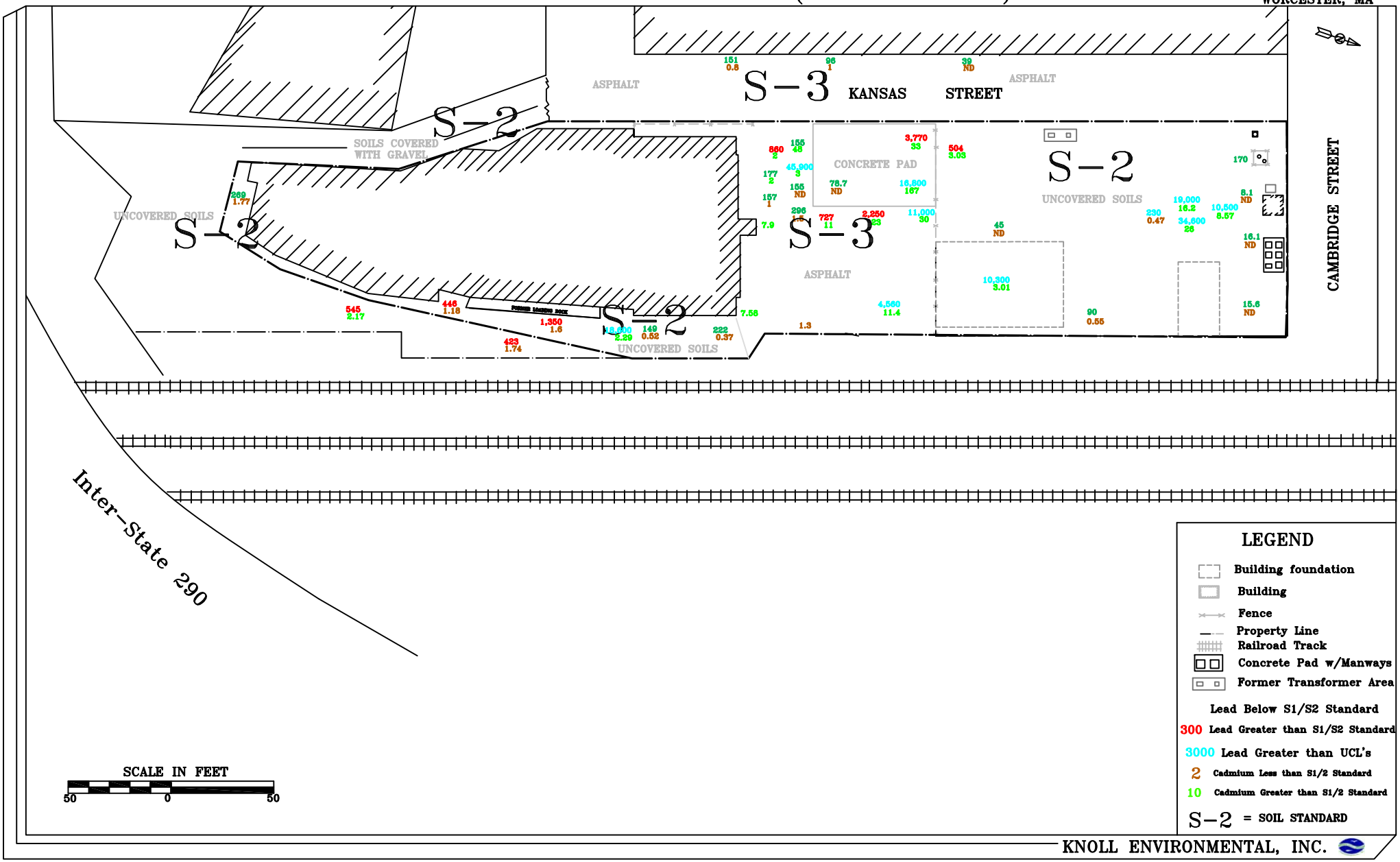


FIGURE 28: LEAD AND CADMIUM IN SOILS (3.0' – 6.0')

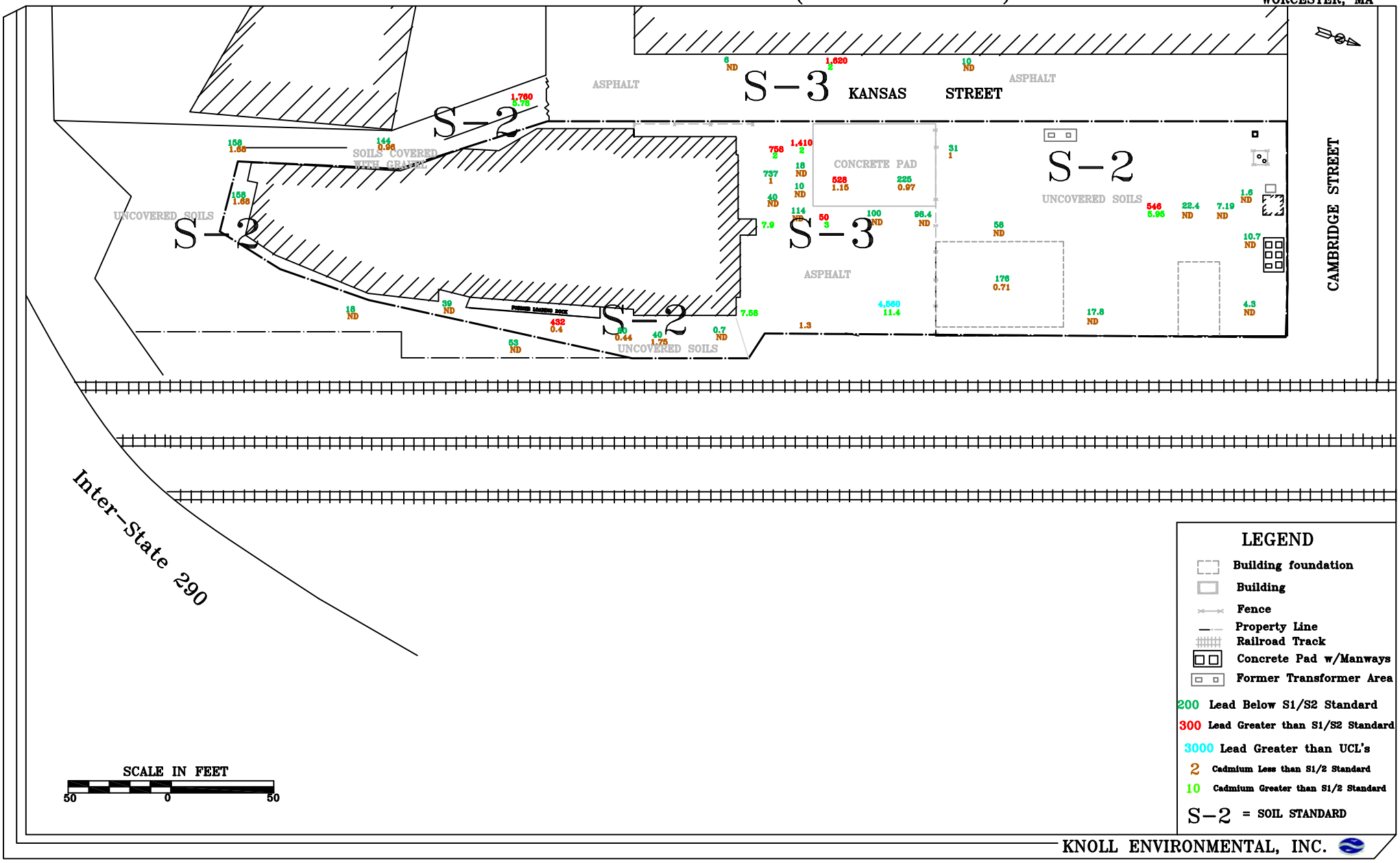


FIGURE 29: LEAD AND CADMIUM IN SOILS (6.0'-9.0'/9'-12')

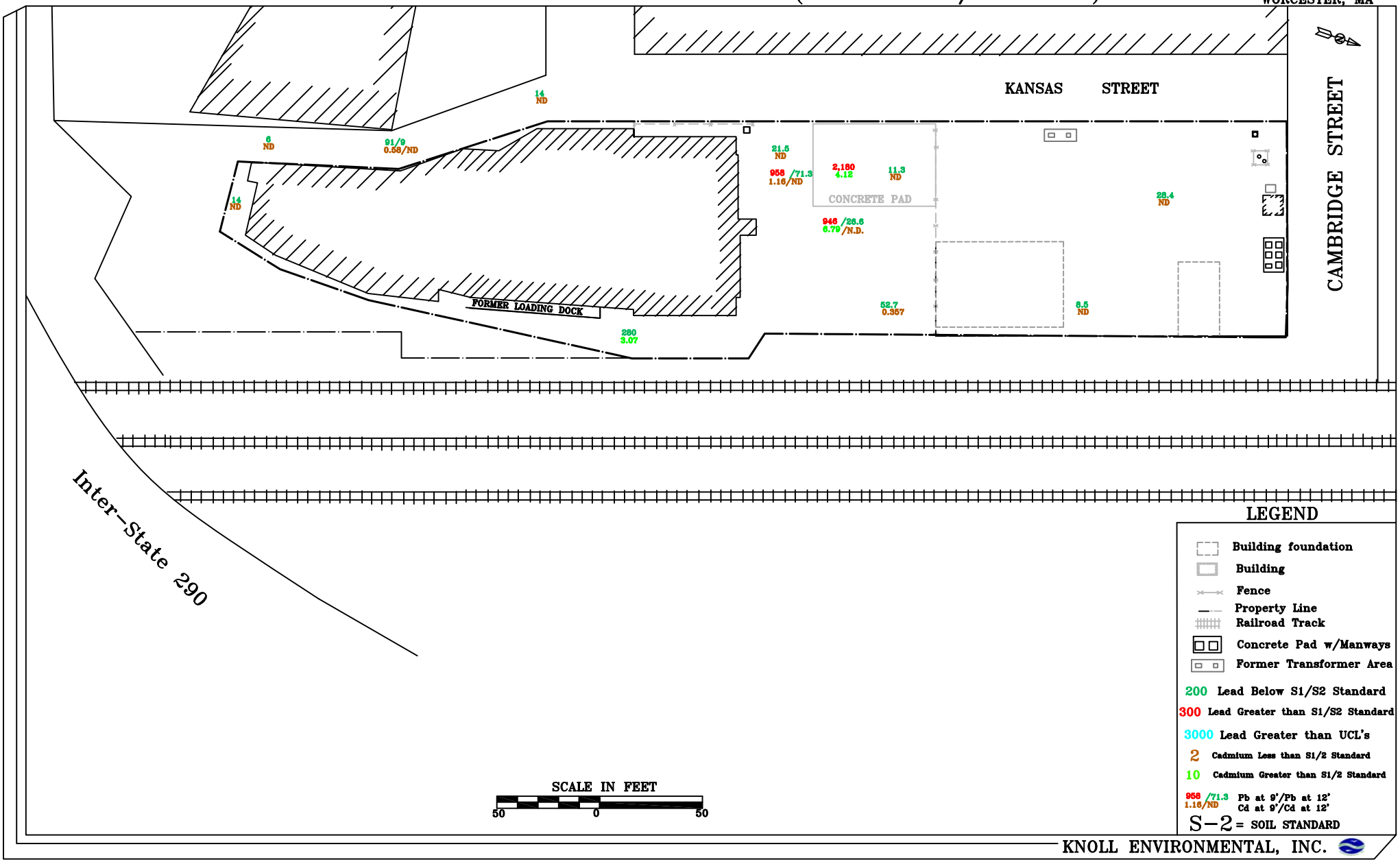
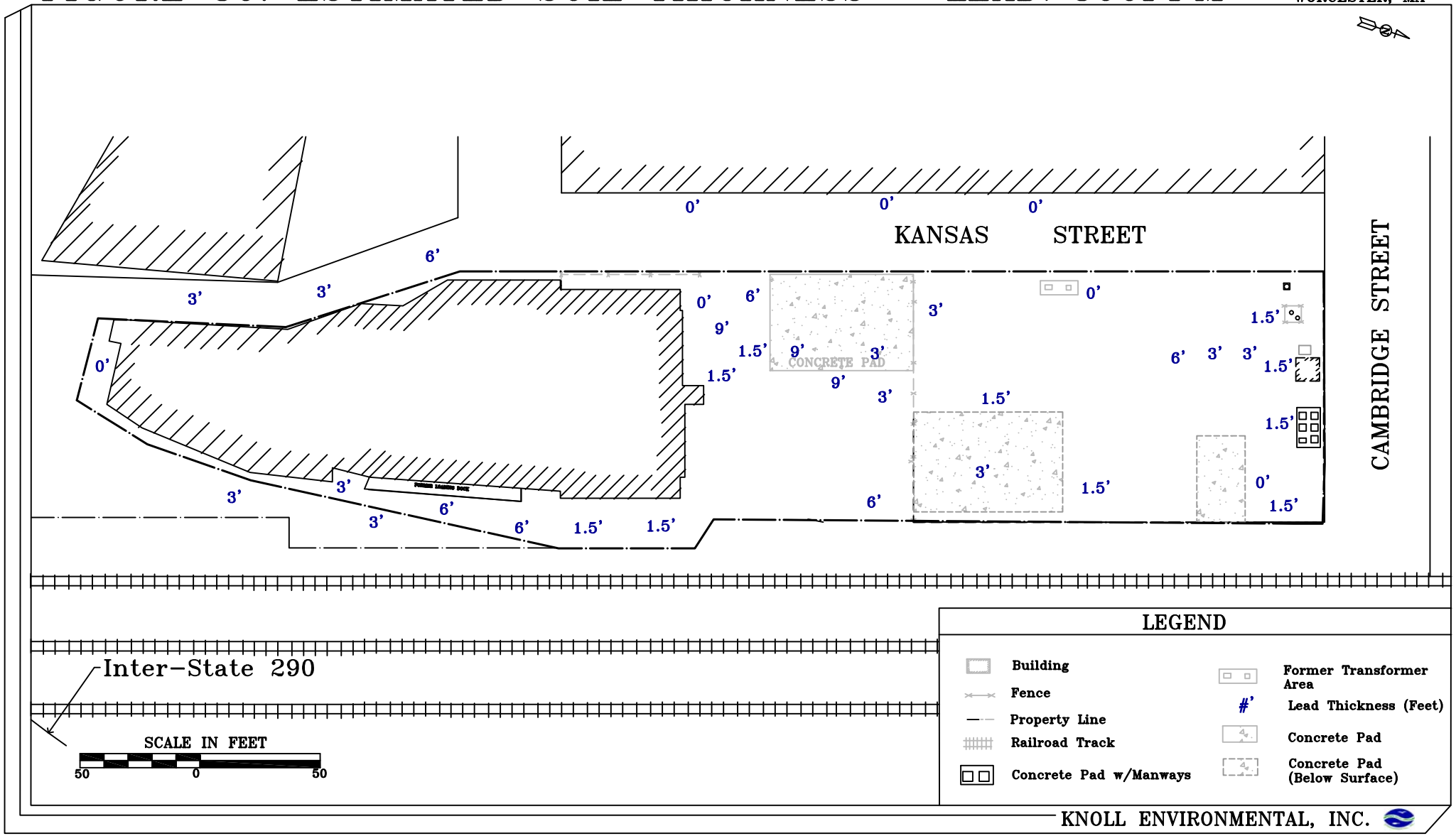


FIGURE 30: ESTIMATED SOIL THICKNESS – LEAD>300PPM

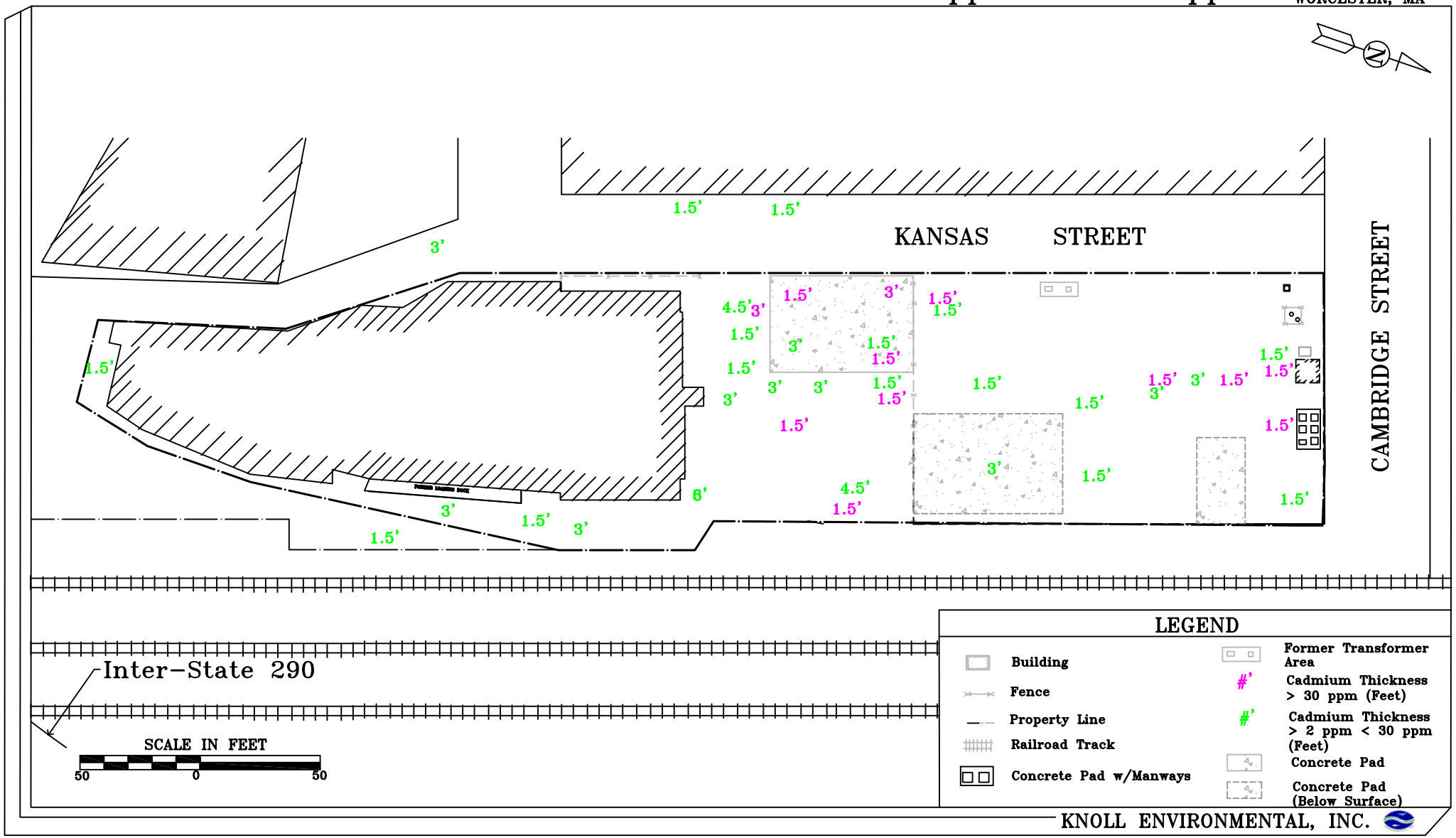
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FIGURE 31: ESTIMATED SOIL THICKNESS – CADMIUM > 2 ppm and >30 ppm

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TABLES

Table 1

Summary Of Soil Analytical Data - 2004
PCBs 0 to 12 inches

Parameters / Laboratory Identification Number / Sampling Date / Sample Depth / Sample ID	152343-152374 7/21/2004 (0-12") KB-1	KB-5	KB-6	KB-10	KB-11	KB-12	S-1/2/3 (GW-2/3)	Upper Concentration Limit
EPA Method 8080A (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
PCB-1254	3.88	27.70	3.47	12.30	33.30	8.50	2	100

Parameters / Laboratory Identification Number / Sampling Date / Sample Depth / Sample ID	152343-152374 7/21/2004 (0-12") KB-14	KB-15	KB-16	KB-17	KB-18	S-1/2/3 (GW-2/3)	Upper Concentration Limit
EPA Method 8080A (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
PCB-1254	13.20	6.93	23.50	18.10	10.70	2	100

Parameters / Laboratory Identification Number / Sampling Date / Sample Depth / Sample ID	152343-152374 7/21/2004 (0-12") KB-19	KB-20	KB-21	KB-22	KB-23	KB-24	S-1/2/3 (GW-2/3)	Upper Concentration Limit
EPA Method 8080A (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
PCB-1016/1242	**	**	**	**	158	**	2	100
PCB-1254	455.00	243.00	27.60	193.00	321.00	36.50	2	100

Parameters / Laboratory Identification Number / Sampling Date / Sample Depth / Sample ID	152343-152374 7/21/2004 (0-12") KB-25	KB-26	KB-27	KB-28	KB-29	KB-30	S-1/2/3 (GW-2/3)	Upper Concentration Limit
EPA Method 8080A (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
PCB-1254	45.00	18.20	145.00	1390.00	6650.00	260.00	2	100

Parameters / Laboratory Identification Number / Sampling Date / Sample Depth / Sample ID	152343-152374 7/21/2004 (0-12") KB-31	KB-32	KB-33	KB-34	KB-35	KB-36	S-1/2/3 (GW-2/3)	Upper Concentration Limit
EPA Method 8080A (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
PCB-1254	68.10	6.81	27.50	78.20	82.30	273.00	2	100

Parameters / Laboratory Identification Number / Sampling Date / Sample Depth / Sample ID	152343-152374 7/21/2004 (0-12") KB-37	KB-38	KB-39	KB-40	KB-41	KB-42	S-1/2/3 (GW-2/3)	Upper Concentration Limit
EPA Method 8080A (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
PCB-1254	244.00	28.20	54.50	4.12	15.00	3.61	2	100

Table 1

Summary Of Soil Analytical Data - 2004
PCBs 0 to 12 inches

Parameters Laboratory Identification Number Sampling Date Sample Depth Sample ID			152343-152374 7/21/2004 (0-12") KB-45	KB-48	KB-49	KB-50	S-1/2/3 (GW-2/3)	Upper Concentration Limit
	KB-43	KB-44						
EPA Method 8080A (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
PCB-1254	**101.00**	**112.00**	**9.84**	**8.60**	**30.60**	**17.80**	**2**	**100**

Parameters Laboratory Identification Number Sampling Date Sample Depth Sample ID			152343-152374 7/21/2004 (0-12") KB-56	KB-57	KB-58	KB-59	S-1/2/3 (GW-2/3)	Upper Concentration Limit
	KB-51	KB-53						
EPA Method 8080A (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
PCB-1254	**11.30**	1.79	**63.40**	**31.90**	**36.80**	**149.00**	**2**	**100**

Parameters Laboratory Identification Number Sampling Date Sample Depth Sample ID	152343-15237 7/21/2004 (0-12") KB-60						S-1/2/3 (GW-2/3)	Upper Concentration Limit
EPA Method 8080A (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
PCB-1254	**148.00**						**2**	**100**

Table 2
Summary of Soil Analytical Data - 2004 PCBs 0-12 feet

Parameters Laboratory Identification Number Date sampled Sample ID Sample Depth	159587- 159593 12/17/2004 KB-9 4-8'	KB-11 4-8'	KB-35 4-8'	KB-29 4-8'	KB-61 0-4'	KB-62 0-4'	KB-63 0-4'	159587- 159593 12/17/2004 B-71 0-5'	5-7'	7-12'	B-72 0-6'	6-9'	9-12'	Method One Standards S-1/2/3 (GW2/3)	Upper Concentration Limits
EPA Method 8082 (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
PCB-1016/1242	0.0929	0.0934	0.702	0.171	311	1.57	0.238	**	**	**	**	**	**	2	100
PCB-1221	**	**	**	**	**	**	**	**	**	**	**	**	**	2	100
PCB-1232	**	**	**	**	**	**	**	**	**	**	**	**	**	2	100
PCB-1248	**	**	**	**	**	**	**	**	**	**	**	**	**	2	100
PCB-1254	2.54	0.10	74.50	5.82	2690	30.5	34.80	39.00	2.38	**	0.09	68.80	0.18	2	100
PCB-1260	**	**	**	**	**	**	**	**	**	**	**	**	**	2	100
PCB-1262	**	**	**	**	**	**	**	**	**	**	**	**	**	2	100
PCB-1268	**	**	**	**	**	**	**	**	**	**	**	**	**	2	100

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Table 3

Summary Of Soil Analytical Data - June 22, 27 2005
PCBs at Depth

Parameters								
Laboratory Identification Number	0506298						S-1/2/3 (GW-2/3)	Upper Concentration Limit
Sampling Date	6/22/2005							
Sample ID	B-64			B-65				
Sample Depth	0-2'	2-4'	6-16'	0-2'	2-4'	4-10'		
EPA Method 8080A (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
PCB-1254	5.40	**	**	3.00	6.80	**	2	100

Parameters								
Laboratory Identification Number	0506298						S-1/2/3 (GW-2/3)	Upper Concentration Limit
Sampling Date	6/22/2005							
Sample ID	B-66			B-67	B-68			
Sample Depth	0-2'	2-3'	3-7'	0-12'	0-2'	2-12'		
EPA Method 8080A (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
PCB-1254	31.50	5.00	**	**	2.80	**	2	100

Parameters								
Laboratory Identification Number	0506298						S-1/2/3 (GW-2/3)	Upper Concentration Limit
Sampling Date	6/22/2005							
Sample ID	B-69			B-70				
Sample Depth	0-2'	2-7'	7-12'	0-4'	4-6'	6-12'		
EPA Method 8080A (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
PCB-1254	27.10	**	**	163	62.20	**	2	100

Parameters								
Laboratory Identification Number	0506298						S-1/2/3 (GW-2/3)	Upper Concentration Limit
Sampling Date	6/22/2005							
Sample ID	B-71			B-72				
Sample Depth	0-5'	5-7'	7-12'	0-6'	6-9'	9-12'		
EPA Method 8080A (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
PCB-1254	39.00	2.40	**	**	68.80	**	2	100

Parameters								
Laboratory Identification Number	0506298						S-1/2/3 (GW-2/3)	Upper Concentration Limit
Sampling Date	6/22/2005							
Sample ID	B-73			B-74				
Sample Depth	0-6'	6-8'	8-12'	0-6'	6-9'	9-12'		
EPA Method 8080A (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
PCB-1254	6330	12.90	**	9.80	**	**	2	100

Parameters								
Laboratory Identification Number	0506298						S-1/2/3 (GW-2/3)	Upper Concentration Limit
Sampling Date	6/22/2005							
Sample ID	B-75			B-76				
Sample Depth	0-6'	6-8'	8-12'	0-3'	5-8'	8-12'		
EPA Method 8080A (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
PCB-1254	7.00	**	**	4.60	**	**	2	100

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Table 3

Summary Of Soil Analytical Data - June 22, 27 2005
PCBs at Depth

Parameters Laboratory Identification Number Sampling Date Sample ID Sample Depth	0506298 6/22/2005 B-77 0-4'	 4-12'	 B-78 4-8'	 B-79 0-2'	 2-4'	 B-80 0-2'	S-1/2/3 (GW-2/3)	Upper Concentration Limit
EPA Method 8080A (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
PCB-1254	**3.40**	**	1.50	**20.30**	**	**61.10**	**2**	**100**

Parameters Laboratory Identification Number Sampling Date Sample ID Sample Depth	0506298 6/27/2005 B-80 2-4'	 B-81 1-6'	 6-12'	 B-82 1-4'	 4-6'	 B-83 0.75 -3'	S-1/2/3 (GW-2/3)	Upper Concentration Limit
EPA Method 8080A (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
PCB-1254	**	1.30	**	**4.70**	**	**16.10**	2	**100**

Parameters Laboratory Identification Number Sampling Date Sample ID Sample Depth	 	0506298 6/22/2005 Knoll-5 4-6.5'	 Knoll-7 4-5'	 5-6'	506407 6/27/2005 (0-24") B-89	S-1/2/3 (GW-2/3)	Upper Concentration Limit
EPA Method 8080A (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
PCB-1254		**	**48.60**	**8.80**	0.19	**2**	**100**

Parameters Laboratory Identification Number Sampling Date Sample ID Sample Depth	0506298 6/27/2005 B-83 3-5'	 B-84 .5-1'	 4-10'	 B-85 .5-1'	 4-5'	 B-86 1-10'	S-1/2/3 (GW-2/3)	Upper Concentration Limit
EPA Method 8080A (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
PCB-1254	**2.60**	**	**	**	**	**	2	**100**

Parameters Laboratory Identification Number Sampling Date Sample ID Sample Depth	0506298 6/27/2005 B-87 1-6'	 6-10'	 B-88 1-6'	 6-10'	 B-89 2-8'	 6-12'	S-1/2/3 (GW-2/3)	Upper Concentration Limit
EPA Method 8080A (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
PCB-1254	0.50	**	0.40	**	0.10	0.10	**2**	**100**

Parameters Laboratory Identification Number Sampling Date Sample Depth Sample ID	506407 6/27/2005 (0-24") B-89	507247 7/21/2005 (0-12") B-91	 B-92	 B-93	 B-94	 	S-1/2/3 (GW-2/3)	Upper Concentration Limit
EPA Method 8080A (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
PCB-1254	0.19	**	**	**	**		**2**	**100**

** = on-detect

Red = Exceeds Standard

Maroon = Exceeds UCL's

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Table 4

Summary Of Soil Analytical Data - January, March and August 2006
PCBs (0-12")

Parameters / Laboratory Identification Number / Sampling Date / Sample Depth / Sample ID		R0119-08 1/13/2006 (0-12") B-95	B-96	B-97	B-98	B-99	S-1/2/3 (GW-2/3)	Upper Concentration Limit
EPA Method 8080A (ppm)		*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
PCB-1254		1.17	0.96	**	0.10	**18.40**	**2**	100

Parameters / Laboratory Identification Number / Sampling Date / Sample Depth / Sample ID		R0119-08 1/13/2006 (0-12") B-99A	B-99B	B-99C	B-101	B-102	S-1/2/3 (GW-2/3)	Upper Concentration Limit
EPA Method 8080A (ppm)		*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
PCB-1254		1.77	**7.24**	**21.20**	**3.71**	1.43	**2**	100

Parameters / Laboratory Identification Number / Sampling Date / Sample Depth / Sample ID	R0328-08 3/28/2006 (0-12") B-103	B-104	B-105	R0831-02 8/29/2006 (0-12") B-106	B-107	B-108	S-1/2/3 (GW-2/3)	Upper Concentration Limit
EPA Method 8080A (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
PCB-1254	0.39	**	**	0.32	**	**136.00**	**2**	**100**

Table 4

Summary Of Soil Analytical Data - January, March and August 2006
PCBs (0-12")

Parameters Laboratory Identification Number Sampling Date Sample ID Sample Depth	R0831-02 8/29/2006 B-106 1-3'	 3-7'	 7-12'	 B-107 1-3'	 3-7'	 7-12'	S-1/2/3 (GW-2/3)	Upper Concentration Limit
EPA Method 8080A (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
PCB-1254	**25.00**	0.30	**	**	0.20	0.20	**2**	**100**

Table 5

Summary Of Soil Analytical Data - December 20, 2006
PCBs (0.5-6')

Parameters Laboratory Identification Number Sampling Date Sample ID Sample Depth				R1222-06 12/20/2006 B-108 .5-1.5'	 1.5-3'	 B-109 .3-1.5'	S-1/2/3 (GW-2/3)	Upper Concentration Limit
EPA Method 8080A (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
PCB-1254				**136.00**	<1	**11.00**	**2**	**100**

Parameters Laboratory Identification Number Sampling Date Sample ID Sample Depth	 B-109 2-4'	 B-110 .3-1.5'	R1222-06 12/20/2006 1.5-3'	 B-111 .3-1.5'	 4-6'	 B-112 .3-1.5'	S-1/2/3 (GW-2/3)	Upper Concentration Limit
EPA Method 8080A (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
PCB-1254	**	**511.00**	<1	**129.00**	**	**	**2**	**100**

Parameters Laboratory Identification Number Sampling Date Sample ID Sample Depth	 B-112 1.5-4'	 B-113 .3-1.5'	R1222-06 12/20/2006 1.5-3'	 B-114 .3-1.5'	 1.5-3'	S-1/2/3 (GW-2/3)	Upper Concentration Limit
EPA Method 8080A (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
PCB-1254	**	1.30	<1	1.40	<1	**2**	**100**

Parameters Laboratory Identification Number Sampling Date Sample Depth Sample ID	 (4"-18") B-109	 B-110	R1222-06 12/20/2006 B-111	 B-112	 B-113	 B-114	S-1/2/3 (GW-2/3)	Upper Concentration Limit
EPA Method 8080A (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
PCB-1254	**111.00**	**511.00**	**129.00**	**	1.31	1.40	2	**100**

Table 6

Summary Of Soil Analytical Data: PCBs, 0 to 12 inches, 2010-2011

Parameters Laboratory Identification Number Sampling Date Sample Depth Sample ID	V-0914-37D, V1214-59 9/10/2010, 12/13/2010 (0.5-1.5') B-123	B-126	B-137	B-138	B-139	B-140	B-144	B-145	B-146	B-147	B-148	B-149	B-151	B-152	B-153	Method One Standards S-1/2/3 (GW-2/3)	Upper Concentration Limit
EPA Method 8080A (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
PCB-1254	**215**	**4.30**	0.51	**	**9.45**	0.17	**	**	1.91	**	**10.35**	0.7	**2.24**	**10.17**	**	**2**	**100**
PCB-1016/1242	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**2**	100

Parameters Laboratory Identification Number Sampling Date Sample Depth Sample ID	W0105-11 1/3/2011 (0.5'-1.5') B-154	B-155	B-156	B-157	B-158	B-159	B-160	B-161	W0105-09 1/3/2011 (0.5'-1.5') B-162	B-163	B-164	B-165	B-166	B-167	B-171	Method One Standards S-1/2/3 (GW-2/3)	Upper Concentration Limit
EPA Method 8080A (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
PCB-1254	**4.96**	**2.83**	**	0.46	**1.675**	1.39	**54.915**	**290.31**	**5.47**	**49.20**	0.26	**1100.50**	**6.61**	**2.1**	**23.5**	**2**	**100**
PCB-1016/1242	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**2**	100

Notes:

-- = Not Detected Above Reporting Limit

RED** = Result Exceeds Method One Standard in **Red

Parameters Laboratory Identification Number Sampling Date Sample Depth Sample ID	V-0914-37D,E, V1214-59 9/10/2010, 12/13/2010 (1.5'-3') B-123	B-126	B-137	B-138	B-139	B-140	W0105-09 1/3/2011 (1.5'-3') B-162	B-163	B-164	B-165	B-166	B-167	B-171	Method One Standards S-1/2/3 (GW-2/3)	Upper Concentration Limit
EPA Method 8080A (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
PCB-1254	**3.60**	**30.40**	**	**7.54**	0.15	**	0.23	0.62	**	**1770**	0.31	0.27	**3.29**	**2**	**100**
PCB-1260	**2.7**	**	**	**	**	**	**	**	**	**	**	**	**	2	100

Notes:

-- = Not Detected Above Reporting Limit

RED** = Result Exceeds Method One Standard in **Red

Parameters Laboratory Identification Number Sampling Date Sample Depth Sample ID	V1214-59 12/13/2010 (3'-6') B-137	B-138	B-139	B-140	B-141	B-142	B-143	B-150	W0105-09 1/3/2011 (3'-6') B-162	B-163	B-164	B-165	B-166	B-167	B-171	Method One Standards S-1/2/3 (GW-2/3)	Upper Concentration Limit
EPA Method 8080A (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
PCB-1254	0.193	**	**	**	**	1.23	**5.4**	0.5	**	1.05	**	**17.5**	**	1.135	**	**2**	**100**
PCB-1260	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**2**	100

Notes:

-- = Not Detected Above Reporting Limit

RED** = Result Exceeds Method One Standard in **Red

Parameters Laboratory Identification Number Sampling Date Sample Depth Sample ID	V1214-59 12/13/2010 6'-9', 9'-12') B-137 (6'-9')	B-141 (6'-9')	B-142 (6'-9')	B-143 (6'-9')	B-143 (9'-12')	B-150 (6'-9')	B-150 (9'-12')	W0114-04 1/3/2011 (6'-9',9'-12') B-163 (6'-9')	B-163 (9'-12')	B-165 (6'-9')	B-165 (9'-12')	W0105-09 1/3/2011 (6'-9') B-167 (6'-9')	B-171 (6'-9')	Method One Standards S-1/2/3 (GW-2/3)	Upper Concentration Limit
EPA Method 8080A (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
PCB-1254	**	**	**	**4.63**	0.872	0.66	0.12	**	**	0.73	**	**	**	**2**	100
PCB-1260	**	**	**	**	**	**	**	**	**	**	**	**	**	2	100

Notes:

-- = Not Detected Above Reporting Limit

RED** = Result Exceeds Method One Standard in **Red

Table 7
Summary of Soil Analytical Data: VOCs,2006-2010

Parameters / Laboratory Identification Number / Date Sampled / Sample ID / Sample depth	RO831-03 8/29/2006										R1222-11 12/20/2006		V0929-29 9/28/2010									Upper Concentration Limits
	SS-1 0.3-1.5'	SS-2 0.3-1.5'	SS-3 0.3-1.5'	SS-4 0.3-1.5'	SS-5 0.3-1.5'	SS-6 0.3-1.5'	SS-7 0.3-1.5'	SS-8 0.3-1.5'	SS-9 0.3-1.5'	SS-10 0.3-1.5'	SS-18 0-3'	SS-19 2-4'	B-132 0-3'	B-133 0-3'	B-134 0-3'	S-1(GW-2)	S-1(GW-3)	S-2(GW-2)	S-2(GW-3)	S-3(GW-2)	S-3(GW-3)	
EPA Method 8260B (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
Volatile Organics																						
Acetone	**	**	0.36	**	**	**	**	**	0.3	**	**	**	**	**	**	60	60	60	60	60	60	10,000
Benzene	**	**	0.099	**	0.096	**	**	0.078	**	**	**	**	**	**	**	30	30	0.4	0.4	700	900	9,000
Bromobenzene	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	~	~	~	~	~	~
Bromochloromethane	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	~	~	~	~	~	~
Bromodichloromethane	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	0.1	20	0.1	100	0.1	500	5,000
Bromoform	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	1	200	1	800	1	800	10,000
Bromomethane	**	**	**	0.045	**	**	**	**	**	**	**	**	**	**	**	3	50	3	200	3	700	7,000
n-Butylbenzene	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	~	~	~	~	~	~
sec-Butylbenzene	**	**	0.28	**	**	**	**	**	**	**	**	**	**	**	**	~	~	~	~	~	~	~
tert-Butylbenzene								0.34								~	~	~	~	~	~	~
Carbon disulfide	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	~	~	~	~	~	~
Carbon tetrachloride	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	5	10	5	60	5	40	4,000
Chlorobenzene	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	3	100	3	100	3	100	10,000
Chlorodibromomethane	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	0.03	20	0.03	100	0.03	500	5,000
Chloroethane	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	~	~	~	~	~	~
Chloroform	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	10	200	10	200	10	300	5,000
Chloromethane	**	**	**	**	**	**	**	0.23	**	**	**	**	**	**	**	~	~	~	~	~	~	~
Chlorotoluene (2 & 4)	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	~	~	~	~	~	~
Dibromomethane	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	~	~	~	~	~	~
1,2-Dibromo-3-chloropropane	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	~	~	~	~	~	~
1,2-Dibromoethane	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	~	~	~	~	~	~
1,2-Dichlorobenzene (o-DCB)	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	30	300	30	300	30	300	10,000
1,3-Dichlorobenzene (m-DCB)	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	40	100	40	500	40	500	5,000
1,4-Dichlorobenzene (p-DCB)	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	4	50	4	300	4	2,000	10,000
Dichlorodifluoromethane	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	~	~	~	~	~	~
1,1-Dichloroethane	**	**	**	**	**	**	**	0.67	0.06	**	**	**	**	**	**	5	500	5	1,000	5	1,000	10,000
1,2-Dichloroethane	**	**	**	**	**	**	**	**	0.87	**	**	**	**	**	**	0.1	10	0.1	90	0.1	300	6,000
1,1-Dichloroethylene	**	**	**	**	**	**	**	3.4	**	**	**	**	**	**	**	40	50	40	1,000	40	3,000	10,000
cis-1,2-Dichloroethylene	**	**	0.073	0.16	0.14	0.16	**1.7**	**1,000**	0.24	**	**	0.19	**	**40**	**	**0.4**	**100**	**0.4**	**500**	**0.4**	**500**	5,000
trans-1,2-Dichloroethylene	**	**	**	0.081	**	0.17	0.15	27	**	**	**	**	**	**	**	1	500	1	1,000	1	3,000	10,000
1,2-Dichloropropane	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	0.1	10	0.1	100	0.1	600	6,000
2,2-Dichloropropane	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	~	~	~	~	~	~
1,1-Dichloropropene	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	~	~	~	~	~	~
cis-1,3-Dichloropropene	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	0.1	3	0.1	5	0.1	20	200
trans-1,3-Dichloropropene	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	0.1	3	0.1	5	0.1	20	~
1,4-Dioxane	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	~	~	~	~	~	0.00001
Ethylbenzene	**	**	**	3.1	**	**	**	**	**	**	**	**	**	**	**	500	500	1,000	500	2,500	500	10,000
Ethyl methacrylate	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	~	~	~	~	~	~
Hexachlorobutadiene	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	6	6	90	90	100	100	1,000
2-Hexanone	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	~	~	~	~	~	~
Isopropylbenzene	**	**	**	0.18	**	**	**	**	**	**	**	**	**	**	**	~	~	~	~	~	~	~
p-Isopropyltoluene	**	**	0.31	0.2	**	**	**	0.43	**	**	**	0.036	**	**	**	~	~	~	~	~	~	~
Methyl tert-Butylether	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	100	100	100	500	100	500	5,000
Methylene Chloride	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	20	200	20	900	20	900	10,000
Methyl Ethyl Ketone	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	40	40	40	40	40	40	10,000
4-methyl-2-pentanone	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	~	~	~	~	~	~
Napthalene	**	**	0.16	0.67	0.19	0.074	0.11	0.66	0.08	**	**	**	**	**	**	40	500	1,000	1,000	40	3,000	10,000
n-Propylbenzene	**	**	**	0.11	**	**	**	0.084	**	**	**	**	**	**	**	~	~	~	~	~	~	~
Styrene	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	4	30	4	200	4	1,000	10,000
1,1,1,2-Tetrachloroethane	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	0.1	7	0.1	100	0.1	300	3,000
1,1,2,2-Tetrachloroethane	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	0.02	0.8	0.02	10	0.02	40	400
Tetrachloroethylene	**	1	**	**	**	3.1	**	0.36	**	**	0.8	**	**	**530**	**	**10**	**30**	**10**	**200**	**10**	**1,000**	10,000
Toluene	**	**	0.11	0.41	0.15	0.066	**	0.25	**	**	**	**	**	**	**	300	500	300	1,000	300	1,000	10,000
1,2,3-Trichlorobenzene	**	**	**	**	0.12	**	**	**	**	**	**	**	**	**	**	~	~	~	~	~	~	~
1,2,4-Trichlorobenzene	**	**	**	**	0.47	0.18	**	**	**	**	**	**	**	**	**	70	500	70	900	70	900	9,000
1,1,1-Trichloroethane	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	500	500	600	1,000	600	3,000	10,000
1,1,2-Trichloroethane	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	2	4	2	60	2	200	2,000
Trichloroethylene	**	**99**	0.17	0.22	0.76	110	0.21	**22**	0.14	0.14	**23**	**	**230**	**40000**	**5600**	**2**	**90**	**2**	**700**	**2**	**2,000**	**10,000**
Trichlorofluoromethane	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	~	~	~	~	~	~
1,2,3-Trichloropropane	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	~	~	~	~	~	~
1,2,4-Trimethylbenzene	**	**	0.21	0.56	**	**	**	0.65	**	**	**	0.11	**	**	**	~	~	~	~	~	~	~
1,3,5-Trimethylbenzene	**	**	**	0.24	**	**	**	0.44	**	**	**	0.068	**	**	**	~	~	~	~	~	~	~
Vinyl chloride	**	**	**	0.037	**	**	**	**120**	0.11	**	**	**	**	**	**	**0.6**	**0.6**	**0.7**	**4**	**0.7**	**30**	300
Total Xylenes	**	**	0.29	8.6	**	**	0.12	0.42	**	**	**	**	**	**	**	300	300	300	300	300	300	10,000

Notes:
Red = Exceeds Standard in Red
~ = No MCP Value Listed
*** = Not Detected Above Reporting Limit*
N.A. = Compound Not Analyzed
EPA = Environmental Protection Agency
ppm = parts per million
GW = ground water
MADEP = Massachussetts Department of Environmental Protection
VPH = Volatile Petroleum Hydrocarbons

Table 8
Summary of Soil Analytical Data: VPHs and EPHs

Parameters Laboratory Identification Number Date Sampled Sample ID Sample depth	RO831-03 8/29/2006 SS-1 0.3-1.5'	SS-2 0.3-1.5'	SS-3 0.3-1.5'	SS-4 0.3-1.5'	SS-5 0.3-1.5'	SS-6 0.3-1.5'	SS-7 0.3-1.5'	SS-8 0.3-1.5'	SS-9 0.3-1.5'	SS-10 0.3-1.5'	S-1(GW-2)	S-1(GW-3)	S-2(GW-2)	S-2(GW-3)	S-3(GW-2)	S-3(GW-3)	Upper Concentration Limits
MADEP, Draft 1.0 method (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
VPH Analysis																	
C5-C8 Aliphatics	13.9	43.6	**	10.5	**	**	6.6	**427**	5.4	**	**100**	**100**	500	500	500	500	5,000
C9-C12 Aliphatics	**	**	5.6	25	5.7	5.1	**	32.9	3.7	**	1,000	1,000	2,500	2,500	5000	5000	20,000
C9-C10 Aromatics	**	**	**	59.2	**	**	**	24.4	**	**	100	100	500	500	500	500	5,000
Benzene	**	**	**	**	**	**	**	**	**	**	30	30	200	200	700	900	9,000
Methyl tert-Butylether	**	**	**	**	**	**	**	**	**	**	100	100	100	500	100	500	5,000
Toluene	**	**	**	0.7	**	**	**	**	**	**	300	500	300	1,000	500	2,500	10,000
Ethylbenzene	**	**	**	7.2	**	**	**	**	**	**	500	500	1000	500	2,500	500	10,000
Total Xylenes	**	**	**	18.6	**	**	**	**	**	**	300	300	300	300	300	300	10,000
Napthalene	**	**	**	3	**	**	**	**	**	**	40	500	40	1,000	40	3,000	10,000
MADEP, Draft 1.0 method (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
EPH Analyisis																	
C9-C18 Aliphatics	**	10	170	**	40	50	40	**	40	**	1,000	1,000	2,500	2,500	5,000	5,000	20,000
C19-C36 Aliphatics	23	100	1,020	390	320	150	300	**	380	30	2,500	2,500	5,000	5,000	5,000	5,000	20,000
C11-C22 Aromatics	60	70	**930**	**1,440**	260	70	250	**3,950**	300	40	**800**	**800**	**2,000**	**2,000**	5,000	5,000	10,000
Polynuclear Aromatic Hydrocarbons																	
Acenaphthene	**	**	**	**	**	**	**	**	**	**	1,000	1,000	2,500	2,500	5,000	4,000	10,000
Acenapthylene	**	**	**	**	**	**	**	**	**	**	100	100	2,500	1,000	2,500	1,000	10,000
Anthracene	**	**	0.7	**	0.5	**	**	**	**	0.4	1,000	1,000	2,500	2,500	5,000	5,000	10,000
Benzo(a)anthracene	**	0.5	4.5	**	**	**	**	**	**	**	7	7	40	40	300	300	3000
Benzo(a)pyrene	**	**	**4.2**	**	**	**	**	**	**	**	**2**	**2**	**4**	**4**	30	30	300
Benzo(b)fluoranthene	**	0.8	3.6	**	**	**	**	**	**	**	7	7	40	40	300	300	3000
Benzo(g,h,i)perylene	**	1.8	1.4	**	**	**	**	**	**	**	1,000	1,000	2,500	2,500	2,500	2,500	10,000
Benzo(k)fluoranthene	**	0.9	2.6	**	**	**	**	**	**	**	70	70	400	400	3000	3000	10000
Chrysene	**	0.6	2.8	**	**	**	**	**	**	**	7	7	10	10	40	40	400
Dibenzo(a,h)anthracene	**	**	**0.9**	**	**	**	**	**	**	**	**0.7**	**0.7**	4	4	30	30	300
Fluoranthene	**	1.2	6.1	**	0.5	**	0.4	**	**	0.6	1,000	1,000	3,000	3,000	5,000	5,000	10,000
Fluorene	**	**	0.5	**	**	**	**	**	**	**	1,000	1,000	2,000	2,000	5,000	4,000	10,000
Indeno(1,2,3-cd)pyrene	**	**	1.1	**	**	**	**	**	**	**	7	7	40	40	300	300	3000
Naphthalene	**	**	**	**	**	**	**	**	**	**	40	500	1,000	1,000	40	3,000	10,000
Phenanthrene	**	**	3.1	**	**	**	**	**	**	**	1,000	100	2,500	100	2,500	100	10,000
Pyrene	**	1.1	6.6	**	**	**	0.4	**	**	0.8	1,000	1,000	3,000	3,000	5,000	5,000	10,000
2-Methylnaphthalene	**	**	**	**	**	**	**	**	**	**	500	500	1,000	1,000	2,000	1,000	10,000

Notes:
Red = Exceeds Standard in Red
~ = No MCP Value Listed
*** = Not Detected Above Reporting Limit*
N.A. = Compound Not Analyzed
EPA = Environmental Protection Agency
ppm = parts per million
EPH = Extractable Petroleum Hydrocarbons
MADEP = Massachussetts Department of Environmental Protection
VPH = Volatile Petroleum Hydrocarbons

RTN 2-00168
2 Kansas Street
Worcester, MA

Table 9
Summary of Soil Analytical Data: RCRA 8 Metals - 2006

Parameters Laboratory Identification Number Date Sampled Sample ID Sample depth	RO831-03 8/29/2006 SS-1 0.3-1.5'	SS-2 0.3-1.5'	SS-3 0.3-1.5'	SS-4 0.3-1.5'	SS-5 0.3-1.5'	SS-6 0.3-1.5'	SS-7 0.3-1.5'	SS-8 0.3-1.5'	SS-9 0.3-1.5'	Method One Standards S-1(GW-2)	S-1(GW-3)	S-2(GW-2)	S-2(GW-3)	Upper Concentration Limits
EPA Method 6010B (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
Total Metals														
Arsenic	16	18	18	19	**21**	14	17	**22**	**20**	**20**	**20**	**20**	**20**	200
Barium	367	77	112	136	127	30	254	189	474	1,000	1,000	3,000	3,000	10,000
Cadmium	1	1.48	**12**	**8.02**	**29**	1.41	**15**	**19**	**25**	**2**	**2**	**30**	**30**	300
Chromium (III)	19	32	34	59	266	18	166	227	196	1,000	1,000	3,000	3,000	2,000
Lead	63	170	**6,570**	**5,850**	**3,280**	58	**2,600**	**4,190**	**59,300**	**300**	**300**	**300**	**300**	**3,000**
Selenium	**	**	1.7	3.49	0.78	**	**	**	**	400	400	800	800	8,000
Silver	**	**	0.41	0.71	0.39	**	2	0.65	32	100	100	200	200	2,000
EPA Method 7471A (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
Mercury	0.096	0.19	0.537	0.132	0.094	0.089	3.07	0.346	1.72	20	20	30	30	300

Parameters Laboratory Identification Number Date Sampled Sample ID	R1222-07 12/20/2006 SS-3 (1-5')	SS-5 (0-1.5')	SS-7 (5-6.5')	SS-8 (.3-1.5')	SS-9(.3-1.5')	SS-9 (2-4')	Method One Standards S-1(GW-2)	S-1(GW-3)	S-2(GW-2)	S-2(GW-3)	Upper Concentration Limits
EPA Method 6010B (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
Total Metals											
Arsenic	12	N.A.	18	N.A.	N.A.	**25**	**20**	**20**	**20**	**20**	200
Barium	163	N.A.	113	N.A.	N.A.	279	1,000	1,000	3,000	3,000	10,000
Cadmium	**26**	N.A.	**12**	N.A.	N.A.	**30**	**2**	**2**	**30**	**30**	300
Chromium (III)	96	N.A.	56	N.A.	N.A.	55	1,000	1,000	3,000	3,000	2,000
Chromium (VI)	N.A.	**	N.A.	**	**	N.A.	30	30	200	200	
Lead	**34,600**	N.A.	**12,900**	N.A.	N.A.	**11,000**	**300**	**300**	**300**	**300**	**3,000**
Selenium	2.8	N.A.	**	N.A.	N.A.	3.57	400	400	800	800	10,000
Silver	2.02	N.A.	0.68	N.A.	N.A.	1.35	100	100	200	200	2,000
EPA Method 7471A (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
Mercury	0.846	N.A.	12	N.A.	N.A.	5.3	20	20	30	30	600

Parameters Date Sampled Sample ID Laboratory Identification Number Sample depth	12/20/2006 SS-11 R1221-11 0.5-1.5'	S109-03 1.5-3.0'	SS-12 R1221-11 0.3-1.5'	S109-03 0.3-1.5'	SS-13 R1221-11 0.3-1.5'	S109-03 1.5-3.0'	SS-14 R1221-11 0.5-1.5'	S109-03 4'-6'	SS-15 R1221-11 0.3-1.5'	SS-16 R1221-11 0.3-1.5'	S109-03 1.5-3.0'	SS-17 R1221-11 0.3-1.5'	S109-03 1.5-3.0'	Method One Standards S-1(GW-2)	S-1(GW-3)	S-2(GW-2)	S-2(GW-3)	Upper Concentration Limits
EPA Method 6010B (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
Arsenic	**56**	**21**	16	17	**51**	11	**30**	13	18	14	18	17	18	**20**	**20**	**20**	**20**	200
Barium	**1,930**	440	148	76	**2,170**	289	535	51	60	87	281	213	197	**1,000**	**1,000**	3,000	3,000	10,000
Cadmium	**76**	**33**	**5.03**	1.32	**99**	**17**	**52**	0.89	1.42	**4.93**	**7.87**	**15**	**7.58**	**2**	**2**	**30**	**30**	300
Chromium	222	30	25	20	254	22	687	15	18	43	82	55	35	1,000	1,000	3,000	3,000	2,000
Lead	**9,450**	**3770**	**802**	94	**22,800**	**1,320**	**8,440**	67	118	**986**	**9,940**	**11,900**	**3050**	**300**	**300**	**300**	**300**	**3,000**
Selenium	1.95	**	**	2.11	2.94	2.67	1.24	2.23	1.04	**	1.27	4.3	1.34	400	400	800	800	10,000
Silver	8.99	0.94	0.39	**	4.59	**	2.71	**	**	0.61	**	1.43	1.58	100	100	200	200	2,000
EPA Method 7471A (ppm)	*ppm*		*ppm*		*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*		*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
Mercury	15	0.612	0.446	0.12	1.86	0.385	1.29	0.151	0.144	0.299	0.384	0.934	0.643	20	20	30	30	600

Notes:
Red = Exceeds Standard in Red
– = No MCP Value Listed
*** = Not Detected Above Reporting Limit*
N.A. = Compound Not Analyzed
EPA = Environmental Protection Agency
ppm = parts per million
GW = ground water
EPH = Extractable Petroleum Hydrocarbons
MADEP = Massachussetts Department of Environmental Protection
VPH = Volatile Petroleum Hydrocarbons
TCLP = Toxicity Characteristic Leaching Procedure
** = Chromium + 3 standard*

Table 10
Summary of Soil Analytical Data: RCRA 8 Metals - 2010-11

Parameters Laboratory Identification Number Date Sampled Sample ID Sample Depth	V0914-38A 9/10/2010 B-115 0-1.5'	 B-115 1.5'-3'	 B-115 3'-6'	 B-116 0-1.5'	 B-116 1.5'-3'	 B-116 3'-6'	 B-117 0-1.5'	 B-117 1.5'-3'	 B-117 3'-6'	 B-118 0-1.5'	 B-118 1.5'-3'	 B-118 3'-6'	V1101-11 9/29/2010 B-137 0-1.5'	 B-137 1.5'-3'	 B-137 3'-6'	 B-137 6'-9'	V1214-59 12/10/2010 B-141 3'-6'	 B-141 6'-9'	 B-142 3'-6'	 B-142 6'-9'	 B-143 3'-6'	 B-143 6'-9'	 B-143 9'-12'	Method One Standards S-1(GW-2)	 S-1(GW-3)	 S-2(GW-2)	 S-2(GW-3)	 S-3(GW-2)	 S-3(GW-3)	Upper Concentration Limits
EPA Method 6010B (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
Total Metals																														
Arsenic	6	4.78	N.D.	N.D.	2.4	N.D.	2.43	N.D.	N.D.	N.D.	N.D.	N.D.	**37.4**	17.1	17.8	N.D.	7.89	9.42	**37.6**	N.D.	16.6	14.8	4.56	20	20	20	20	20	20	200
Barium	50.9	59.9	21.7	57.8	40.8	34	71	40.5	15.3	102	92.1	31.5	205	122	152	145	87.7	23.2	83.8	145	35	28.9	11.6	1,000	1,000	3,000	3,000	5,000	5,000	10,000
Cadmium	1.13	1.18	N.D.	1.71	1.6	0.4	**8.77**	0.52	1.75	**2.01**	0.371	N.D.	**4.53**	1.77	1.68	N.D.	N.D.	N.D.	5.78	N.D.	0.96	0.58	N.D.	2	2	30	30	30	30	300
Chromium	15.9	16.2	14.8	18.5	12.6	8.89	21.9	12	9.97	25.7	11.8	10.1	25.2	17.7	13	21.2	4.59	10.7	15.4	21.2	15.6	13.2	6.5	30	30	200	200	200	200	2,000
Lead	**447**	**446**	39	**73,400**	**1,350**	**432**	**97,900**	149	40	**797**	122	50	287	269	158	14	116	6	**1,760**	14	144	91	9	300	300	300	300	300	300	**3,000**
Selenium	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.706	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	400	400	800	800	800	800	8,000
Silver	N.D.	N.D.	N.D.	2.66	N.D.	N.D.	3.08	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	100	100	200	200	200	200	2,000
EPA Method 7471A (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
Mercury	0.091	0.092	0.063	0.462	0.209	0.05	0.17	0.075	N.D.	0.173	0.031	0.152	0.99	0.198	0.083	N.D.	N.D.	0.109	0.195	N.D.	0.096	0.076	N.D.	20	20	30	30	30	30	300

Parameters Laboratory Identification Number Date Sampled Sample ID Sample Depth	W0105-09 1/4/2011 B-162 0.5'-1.5'	 B-162 1.5'-3'	 B-162 3'-6'	 B-163 0.5'-1.5'	 B-163 1.5'-3'	 B-163 3'-6'	 B-164 0.5'-1.5'	 B-164 1.5'-3'	 B-164 3'-6'	 B-165 0.5'-1.5'	 B-165 1.5'-3'	 B-165 3'-6'	 B-166 0.5'-1.5'	 B-166 1.5'-3'	 B-166 3'-6'	 B-167 0.5'-1.5'	 B-167 1.5'-3'	 B-167 3'-6'	 B-167 6'-9'	 B-168 0.5'-1.5'	 B-168 1.5'-3'	 B-168 3'-6'	 B-168 6'-9'	 B-169 0.5'-1.5'	 B-169 1.5'-3'	 B-169 3'-6'	 B-170 0.5'-1.5'	 B-170 1.5'-3'	 B-170 3'-6'	 B-171 0.5'-1.5'	 B-171 1.5'-3'	 B-171 3'-6'	 B-171 6'-9'	Method One Standards S-1(GW-2)	 S-1(GW-3)	 S-2(GW-2)	 S-2(GW-3)	 S-3(GW-2)	 S-3(GW-3)	Upper Concentration Limits
EPA Method 6010B (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
Total Metals																																								
Arsenic	7.89	10.9	9.33	10.1	6.89	6.15	11.1	5.08	6.95	14.9	13.5	2.98	12	12.7	8.93	19.6	11.3	15.5	4.78	12.8	11.5	11.3	3.22	19.3	9.06	9.27	10.4	**28.6**	11.5	14.6	12.3	8.58	8.22	20	20	20	20	20	20	200
Barium	55.4	18.7	16.9	281	23.7	24.1	104	18.1	12.6	**952**	782	22.2	**999**	80.9	15	179	78	105	29.2	60.1	51.3	39.1	27.3	204	45.2	43.4	145	64.3	36.3	279	177	17	17.5	1,000	1,000	3,000	3,000	5,000	5,000	10,000
Cadmium	**3.46**	N.D.	N.D.	**65.3**	N.D.	N.D.	**6.08**	N.D.	N.D.	**26.8**	**60.2**	N.D.	**52.7**	**8.57**	N.D.	**104**	0.47	5.95	N.D.	**20.7**	0.55	N.D.	N.D.	**22.2**	N.D.	N.D.	8.78	3.01	0.71	**39.3**	11.4	N.D.	0.357	2	2	30	30	30	30	300
Chromium (III)	22.1	12.8	8.97	189	11.8	15.3	25.9	12.4	8.85	690	369	16.2	311	15	9.66	94.4	15.6	33.5	15.1	24.5	16.3	16.4	11.5	76.2	16.7	19.8	60.7	34.1	17.7	166	31.4	13.7	12	1,000	1,000	3,000	3,000	5,000	5,000	2,000
Lead	**437**	8.1	1.6	**15,400**	16.1	10.7	**88,400**	15.6	4.3	**3,940**	**19,000**	22.4	**6,410**	**10,500**	7.19	**5,410**	230	**546**	28.4	**4,140**	90	17.8	8.5	**22,200**	45	58	**27,800**	**10,300**	176	**88,200**	**4,560**	41	52.7	300	300	300	300	300	300	**3,000**
Selenium	N.D.	0.65	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	400	400	800	800	800	800	8,000
Silver	N.D.	0.33	N.D.	2.66	N.D.	N.D.	2.82	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	2.55	N.D.	N.D.	N.D.	100	100	200	200	200	200	2,000
EPA Method 7471A (ppm)	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*	*ppm*
Mercury	0.288	0.058	N.D.	1.07	N.D.	N.D.	0.108	N.D.	N.D.	0.618	1.96	N.D.	0.801	0.135	N.D.	1.76	0.158	0.135	N.D.	0.13	0.127	0.15	N.D.	11.1	0.202	0.139	0.32	0.143	0.137	4.67	**45.3**	N.D.	N.D.	20	20	30	30	30	30	300

Notes:
Red = Exceeds appplicable Method 1 Soil Standard
~ = No MCP Value Listed
*** = Not Detected Above Reporting Limit*
N.A. = Compound Not Analyzed
EPA = Environmental Protection Agency
ppm = parts per million
MADEP = Massachussetts Department of Environmental Protection
TCLP = Toxicity Characteristic Leaching Procedure

Table 11
Summary of Soil Analytical Data: As, Cd, BA, PB
9/10/2010

Parameters / Laboratory Identification Number / Date Sampled / Sample ID / Sample Depth	V0914-38B, V0914-37C, D, E, V1101-11, W0105-10 9/10/2010																				METHOD ONE STANDARDS						UPPER CONCENTRATION LIMITS
	B-119 0-1.5'	B-119 1.5'-3'	B-119 3'-6'	B-120 0-1.5'	B-120 1.5'-3'	B-120 3'-6'	B-121 0-1.5'	B-121 1.5'-3'	B-121 3'-6'	B-122 0-1.5'	B-122 1.5'-3'	B-122 3'-6'	B-123 0-1.5'	B-123 1.5'-3'	B-123 3'-6'	B-123 6'-9'	B-123 9'-12''	B-124 0-1.5'	B-124 1.5'-3'	B-124 3'-6'	S-1(GW-2)	S-1(GW-3)	S-2(GW-2)	S-2(GW-3)	S-3(GW-2)	S-3(GW-3)	
EPA Method 6010B (ppm)	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Total Metals																											
Arsenic	0.88	12.5	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.D.	5.17	N.A.	N.D.	N.D.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	20	20	20	20	20	20	200
Barium	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	1,000	1,000	3,000	3,000	5,000	5,000	10,000
Cadmium	N.D.	48	1.54	2.68	2.66	N.D.	4.88	N.D.	N.D.	13.8	1.55	N.D.	23	10.8	2.92	6.79	N.D.	14.7	23.3	N.D.	2	2	30	30	30	30	300
Lead	358	155	1,410	116	45,900	17.8	1,230	155	9.9	11,300	296	114	27,800	727	500	946	26.6	13,500	2,250	98.4	300	300	300	300	300	300	3,000

Parameters / Laboratory Identification Number / Date Sampled / Sample ID / Sample Depth	V0914-38B, V0914-37C, D,E,V1101-11, W1050-10 9/10/2010																				METHOD ONE STANDARDS						UPPER CONCENTRATION LIMITS
	B-125 0-1.5'	B-125 1.5'-3'	B-125 3'-6'	B-125 6'-9'	B-126 0-1.5'	B-126 1.5'-3'	B-126 3'-6'	B-126 6'-9'	B-126 9'-12'	B-127 0-1.5'	B-127 1.5'-3'	B-127 3'-6'	B-128 0-1.5'	B-128 1.5'-3'	B-128 3'-6'	B-129 0-1.5'	B-129 1.5'-3'	B-129 3'-6'	B-130 0-1.5'	B-130 1.5'-3'	B-130 3'-6'	S-1(GW-2)	S-1(GW-3)	S-2(GW-2)	S-2(GW-3)	S-3(GW-2)	S-3(GW-3)	
EPA Method 6010B (ppm)	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Total Metals																											
Arsenic	N.D.	1.64	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	5.38	3.48	N.A.	19.7	8.34	N.A.	N.A.	N.A.	N.A.	11.7	8.64	9.17	20	20	20	20	20	20	200
Barium	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	307	58.7	34.4	N.A.	N.A.	N.A.	48.2	48	48.1	1,000	1,000	3,000	3,000	5,000	5,000	10,000
Cadmium	N.D.	1.77	1.73	N.D.	N.D.	2.07	1.34	1.16	N.D.	5.5	1.14	N.D.	90.7	3.03	0.97	N.D.	N.D.	N.D.	14.3	1.24	1.91	2	2	30	30	30	30	300
Lead	32.7	860	758	21.5	177	2,120	737	958.0	71.3	1,750	157	39.3	4,280	504	31.2	268	39.4	10.1	208	95.9	1,620	300	300	300	300	300	300	3,000

Parameters / Laboratory Identification Number / Date Sampled / Sample ID / Sample Depth	V0914-38B,V0914-37C,D,E,V1101-11, W1050-10 40,431.00																							METHOD ONE STANDARDS						UPPER CONCENTRATION LIMITS
	B-131 0-1.5'	B-131 1.5'-3'	B-131 3'-6'	B-135 0-1.5'	B-135 1.5'-3'	B-135 3'-6'	B-135 6'-9'	B-135 9'-12'	B-136 0-1.5'	B-136 1.5'-3'	B-136 3'-6'	B-136 6'-9'	B-138 0-1.5'	B-138 1.5'-3'	B-138 3'-6'	B-138 6'-9'	B-138 9'-12'	B-139 0-1.5'	B-139 1.5'-3'	B-139 3'-6'	B-140 0-1.5'	B-140 1.5'-3'	B-140 3'-6'	S-1(GW-2)	S-1(GW-3)	S-2(GW-2)	S-2(GW-3)	S-3(GW-2)	S-3(GW-3)	
EPA Method 6010B (ppm)	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Total Metals																														
Arsenic	N.A.	N.A.	N.A.	2.77	N.D.	N.A.	N.A.	N.A.	6.14	9.07	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	20	20	20	20	20	20	200
Barium	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	1,000	1,000	3,000	3,000	5,000	5,000	10,000
Cadmium	0.46	0.78	N.D.	21.1	N.D.	1.15	4.12	N.D.	7.31	167	0.97	N.D.	N.D.	2.29	0.44	3.07	N.D.	2.38	1.74	N.D.	2.51	2.17	N.D.	2	2	30	30	30	30	300
Lead	278	151.0	5.87	6,450	78.7	528	2,180	75	1,100	16,800	225	11.3	606	18,600	80	280.0	3.0	3,180	423	53	2,300	545	18	300	300	300	300	300	300	3,000

Notes:

Red = Exceeds Standard in Red

~ = No MCP Value Listed

*** = Not Detected Above Reporting Limit*

N.A. = Compound Not Analyzed

EPA = Environmental Protection Agency

ppm = parts per million

MADEP = Massachussetts Department of Environmental Protection

TCLP = Toxicity Characteristic Leaching Procedure

Table 12
Summary of Ground Water Analytical Data: EPH
2004-2011

Parameters Laboratory Identification Number Date Sampled Sample ID	159768-9 12/22/04		506425 6/27/05						0508168 8/8/2005								R0119-08 1/19/06	RO908-07 9/7/2006	S0104-2 1/2/07		V0914-37A 9/13/10		V1214-63 12/13/2010				W0923-31 9/23/11	Method One Standards		Upper Concentration Limits
	Knoll-2	Knoll-3	Knoll-1	Knoll-4	Knoll-5	Knoll-6	Knoll-7	Knoll-8	Knoll-10	Knoll-12	Knoll-13	Knoll-14	Knoll-15	Knoll-16	Knoll-17	Knoll-18	Knoll-19	Knoll-20	Knoll-21	Knoll-22	Knoll-25	Knoll-26	MW-5A	Knoll-9	Knoll-11	Knoll-36	Knoll-23	GW-2	GW-3	
MADEP Method 1.0 (ppb)	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*
EPH Analysis																														
C9-C18 Aliphatics	665	3,663	**	**	**	137,000	1,270	4,180	**	**	710	**	280	**	**	**	**	**	**	**	**	**	**	**	**	**	**	1,000	20,000	100,000
C19-C36 Aliphatics	20,200	98,800	**	400	400	307,000	20,600	44,440	**	**	15,200	**	8,300	**	**	**	**	5,910	901	**	**	**	**	1,390	4700	**	774	~	20,000	100,000
C11-C22 Aromatics	3,489	19,900	**	174	12,400	109,000	6,460	12,600	**	**	6,780	**	6,930	**	**	**	**	1,050	179	**	164	**	**	**	706	**	168	50,000	30,000	100,000
Acenaphthene	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	5,000	50,000
Acenaphthylene	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	3,000	30,000
Anthracene	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	3,000	30,000
Benzo(a)anthracene	1.35	2.65	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	1,000	10,000
Benzo(a)pyrene	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	500	5,000
Benzo(b)fluoranthene	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	400	4,000
Benzo(k)fluoranthene	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	100	1,000
Benzo(g,h,i)perylene	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	3,000	30,000
Chrysene	**	2.71	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	3,000	30,000
Dibenz(a,h)anthracene	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	40	400
Fluoranthene	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	200	2,000
Fluorene	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	3,000	30,000
Indeno(1,2,3-cd)pyrene	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	100	1,000
Naphthalene	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	6,000	20,000	100,000
Phenanthrene	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	50	400
Pyrene	**	2	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	20	800
2-Methylnaphthalene	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	10,000	3,000	100,000
MADEPMethod 1.0 (ppb)	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*
VPH Analysis																														
C5-C8 Aliphatics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,000	4,000	100,000
C9-C12 Aliphatics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,000	20,000	100,000
C9-C10 Aromatics	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**	NA	NA	NA	NA	NA	NA	NA	NA	NA	5,000	4,000	100,000
Benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**	NA	NA	NA	NA	NA	NA	NA	NA	NA	2,000	10,000	100,000
Ethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**	NA	NA	NA	NA	NA	NA	NA	NA	NA	30,000	4,000	100,000
Methyl tert-Butylether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**	NA	NA	NA	NA	NA	NA	NA	NA	NA	50,000	50,000	100,000
Naphthalene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,000	20,000	100,000
Toluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**	NA	NA	NA	NA	NA	NA	NA	NA	NA	8,000	4,000	80,000
Total Xylenes	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**	NA	NA	NA	NA	NA	NA	NA	NA	NA	9,000	500	100,000

Notes:
RED = Exceeds Standard in RED
~ = No MCP Value Listed
*** = Not Detected Above Reporting Limit*
EPA = Environmental Protection Agency
ppb = parts per billion
GW = ground water
EPH = Extractable Petroleum Hydrocarbons
MADEP = Massachussetts Department of Environment

Table 13
Summary of Ground Water Analytical Data: PCB

Parameter Laboratory Identification Number Date Sampled Sample ID	159768 12/22/2004 MW-2A	160119 1/11/2005 KNOLL-4	R0908-07 9/7/2006 KNOLL-1	 KNOLL-2	 KNOLL-8	 KNOLL-11	R0119-08 1/13/2006 KNOLL-19	S0104-01 1/2/2007 KNOLL-11	 KNOLL-16	 KNOLL-18	Method One Standards GW-2	 GW-3	Upper Concentrations Limits
EPA Method 8082 (ppb)	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*
PCB-1016/1242	5.69	**	**	**	**	**	**	**	**	**	5	10	100
PCB-1221	**	**	**	**	**	**	**	**	**	**	5	10	100
PCB-1232	**	**	**	0.4	**	**	**	**	**	**	5	10	100
PCB-1248	**	**	**	**	**	**	**	**	**	**	5	10	100
PCB-1254	143	**	**	**	362	0.8	**	**	**	1.42	5	10	100
PCB-1260	**	**	**	**	**	**	**	**	**	**	5	10	100
PCB-1232	**	**	**	**	**	**	**	**	**	**	5	10	100

Notes:
RED = Exceeds Standard in RED
~ = No MCP Value Listed
*** = Not Detected Above Reporting Limit*
EPA = Environmental Protection Agency
ppb = parts per billion

RTN 2-00168
2 Kansas Street
Worcester, MA

Table 14

Summary of Ground Water Analytical Data
Dissolved RCRA 8 Metals

Parameters Laboratory Identification Number Date Sampled Sample ID	AD18657-18664 5/30/2002 MW-1A	MW-4AR	MW-5A	MW-6A	MW-7A	MW-9D	8/18/2004 DCR-1-2	DCR-2-3	DCR-3-2	DCR-4-1	DCR-4-3	Method One Standards GW-2	GW-3	Upper Concentration Limits
EPA Method 6010B (ppb)	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*
Dissolved Metals														
Arsenic	**	**	**	**	**	**	**	**	**	**	**	~	900	9,000
Barium	119.0	48.1	15.0	62.3	76.6	77.1	160.0	29.4	85.2	23.7	18.3	~	50,000	100,000
Cadmium	**	**	**	**	**	**	**	**	**	**	**	~	**4**	50
Chromium	**	**	**	**	**	**	**	**	**	**	**	~	600	6,000
Lead	**	0.62	**	**	**	**	**	**	**	**	**	~	**10**	**150**
Selenium	**	**	**	**	**	**	**	**	**	**	**	~	100	1,000
Silver	**	**	**	**	**	**	**	**	**	**	**	~	7	1,000
EPA Method 7471A (ppb)	*ppb*		*ppb*		*ppb*		*ppb*		*ppb*		*ppb*	*ppb*	*ppb*	*ppb*
Mercury	**	**	**	**	**	**	**	**	**	**	**	~	20	200

Parameters Laboratory Identification Number Date Sampled Sample ID	V1230-255 12/28/2010 Knoll-16	Knoll-35	W0923-31 9/23/11 Knoll-14	Knoll-17	Knoll-23	Knoll-30	Knoll-36	MW-5A	W0930-49 9/30/11 Knoll-18	Knoll-22	Knoll-32	Knoll-33	Knoll-36	Method One Standards GW-2	GW-3	Upper Concentration Limits
EPA Method 6010B (ppb)	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*
Dissolved Metals																
Arsenic	40	**	NA	NA	NA	NA	NA	NA	NA	NA	NA	**	NA	~	900	9,000
Barium	55	285	NA	NA	NA	NA	NA	NA	NA	NA	84	102	NA	~	50,000	100,000
Cadmium	**	**5**	**15**	**14**	**	**34**	**42**	**	**	**	**	**	**19**	~	**4**	50
Chromium	5	**	NA	NA	NA	NA	NA	NA	NA	NA	221	**	NA	~	600	6,000
Lead	**217**	**137**	**1,770**	**2,160**	**174**	**1,310**	**13,900**	**61**	**544**	**61**	**54**	**213**	**13**	~	**10**	**150**
Selenium	**	**	NA	NA	NA	NA	NA	NA	NA	NA	20	20	NA	~	100	1,000
Silver	**	**	NA	NA	NA	NA	NA	NA	NA	NA	**	**	NA	~	7	1,000
EPA Method 7471A (ppb)	*ppb*		*ppb*		*ppb*				*ppb*		*ppb*			*ppb*	*ppb*	*ppb*
Mercury	0.3	**	NA	NA	NA	NA	NA	NA	NA	NA	**	**	NA	~	20	200

Notes:
RED *= Exceeds Standard in* ***RED***
~ = No MCP Value Listed
*** = Not Detected Above Reporting Limit*
EPA = Environmental Protection Agency
ppb = parts per billion
GW = ground water
NA = Not Analyzed

Table 15
Summary of Ground Water Analytical Data - VOCs

Parameters / Laboratory Identification Number / Date Sampled / Sample ID / Sample depth	0506425 6/27/05 Knoll-9 15'	0506425 6/27/05 Knoll-9 50'	0506425 6/27/05 Knoll-10 15'	0506425 6/27/05 Knoll-10 45'	0506425 6/27/05 Knoll-11 15'	0506425 6/27/05 Knoll-11 50'	S0104-01 1/2/2007 Knoll-23 18'	S0104-01 1/2/2007 Knoll-24 18'	S0104-01 1/2/2007 Knoll-25 18'	V0914-37A 9/13/2010 Knoll-29 20'	V0914-37A 9/13/2010 Knoll-29 45'	V0914-37A 9/13/2010 Knoll-30 20'	V0914-37A 9/13/2010 Knoll-30 45'	V0914-37B 9/13/2010 Knoll-31 20'	V0914-37B 9/13/2010 Knoll-31 45'	V0914-37B 9/13/2010 Knoll-32 20'	V0914-37B 9/13/2010 Knoll-32 45'	V0914-37B 9/13/2010 Knoll-33 20'	V0914-37B 9/13/2010 Knoll-33 45'	V0914-37B 9/13/2010 Knoll-34 20'	V0914-37B 9/13/2010 Knoll-34 45'	V1222-15 12/20/2010 Knoll-10 20'	V1222-15 12/20/2010 Knoll-10 45'	Method One Standards GW-2	Method One Standards GW-3	Upper Concentration Limits
EPA Method 8260 (ppb)	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*	*ppb*
Volatile Organics																										
Acetone	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	50,000	50,000	100,000
Benzene	**	**	**	**	**	**	**	**	1.6	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	2,000	10,000	100,000
Bromobenzene	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	~	~
Bromodichloromethane	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	6	50,000	100,000
Bromoform	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	700	50,000	100,000
Bromomethane	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	7	800	100,000
tert-Butylbenzene	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	~	~
tert-Butylmethylether	**	**	**	**	75.7	90.9	**	**	**	1.1	29	49	21	20	22	58	49	22	48	3.3	4.2	**	**	50,000	50,000	~
Carbon disulfide	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	~	~
Carbon tetrachloride	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	2	5,000	50,000
Chlorobenzene	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	200	1000	10,000
Chlorodibromomethane	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	20	50000	
Chloroethane	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	~	~
Chloroform	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	50	20,000	100,000
Chloromethane	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	~	~
Chlorotoluene (2 & 4)	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	~	~
Dichlorodifluoromethane	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	~	~
Dibromomethane	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	~	~
1,2-Dibromo-3-chloropropane	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	~	~
1,2-Dibromoethane	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	~	~
1,2-Dichlorobenzene	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	2,000	2,000	20,000
1,3-Dichlorobenzene	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	2,000	50,000	100,000
1,4-Dichlorobenzene	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	200	8,000	80,000
1,1-Dichloroethane	**	**	**	**	**	**	**	**	4.7	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	1,000	20,000	100,000
1,2-Dichloroethane	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	5	20,000	100,000
1,1-Dichloroethene	**	**	**	**	**	**	**	**	14	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	80	30,000	100,000
cis-1,2-Dichloroethene	**	**	27.7	27.7	**	**	4.8	**	**9,300**	**	**	1.8	**	**	**	2.0	1.8	2.1	2.5	**	**	33	44	**100**	50,000	100,000
trans-1,2-Dichloroethene	**	**	**	**	**	**	**	**	94	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	90	50,000	100,000
1,2-Dichloropropane	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	3	50,000	100,000
cis-1,3-Dichloropropene	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	10	200	20,000
trans-1,3-Dichloropropene	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	10	200	20,000
Ethylbenzene	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	20,000	5,000	100,000
Ethylene Dibromide	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	2	50,000	100,000
Ethyl Methacrylate	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	~	~
Hexachlorobutadiene	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	1	3000	30000
2-Hexanone	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	~	~
Isopropylbenzene	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	~	~
Methylene chloride	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	10,000	50,000	100,000
Methyl Ethyl Ketone	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	50,000	50,000	100,000
Napthalene	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	1,000	20,000	100,000
n-Propylbenzene	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	~	~
Styrene	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	100	6,000	60,000
1,1,1,2-Tetrachloroethane	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	10	50,000	100,000
1,1,2,2-Tetrachloroethane	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	9	50,000	100,000
Tetrachloroethene	**	**	**	**	**	**	**	**	8.1	**	**	**	**	**	**	**	**	**	**	**	**	7.2	8.7	50	30,000	100,000
Toluene	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	50,000	40,000	80,000
1,2,3-Trichlorobenzene	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	~	~
1,2,4-Trichlorobenzene	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	2,000	50000	~
1,1,1-Trichloroethane	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	4,000	20,000	100,000
1,1,2-Trichloroethane	**	**	**	**	**	**	**	**	6.7	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	900	50,000	100,000
Trichloroethene	**	**	**199**	**197**	**	**	**110**	**	**4,400**	**	**	**	**	**	**	**	**	4.4	**	**	**	**330**	**360**	**30**	5,000	50,000
Trichlorofluoromethane	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	~	~
1,2,3-Trichloropropane	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	~	~
1,2,4-Trimethylbenzene	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	~	~
1,3,5-Trimethylbenzene	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	~	~	~
Vinyl chloride	**	**	**	**	**	**	**	**	**600**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**2**	50,000	100,000
Total Xylenes	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	**	9,000	5,000	100,000

Notes:
RED = Exceeds Standard in RED
~ = No MCP Value Listed
*** = Not Detected Above Reporting Limit*
N.A. = Sample Not Analyzed for this Compound
EPA = Environmental Protection Agency
ppb = parts per billion
GW = ground water

RTN 2-00168
2 Kansas Street
Worcester, MA

Table 16
Ground Water Elevation Data and LNAPL Thickness

DATE COLLECTED: 12/22/04

WELL ID	CASING ELEV.	DEPTH TO PRODUCT	DEPTH TO WATER	PRODUCT THICK.	WATER ELEV.
Knoll-1	388.65	0.00	8.64	0.00	380.01
Knoll-2	390.29	0.00	9.34	0.00	380.95
Knoll-3	390.52	0.00	9.48	0.00	381.04
Knoll-4	389.42	0.00	8.55	0.00	380.87
MW-1A	387.33	0.00	6.77	0.00	380.56
MW-2A	388.25	7.25	8.34	1.09	380.69
MW-3	-	-	-	-	-
MW-5A	389.98	0.00	9.17	0.00	380.81
MW-6A	395.51	0.00	7.25	0.00	388.26
MW-7A	387.58	0.00	7.05	0.00	380.53
MW-8A	388.51	0.00	7.40	0.00	381.11
MW-9D	388.08	0.00	7.30	0.00	380.78

DATE COLLECTED: 1/12/05

WELL ID	CASING ELEV.	DEPTH TO PRODUCT	DEPTH TO WATER	PRODUCT THICK.	WATER ELEV.
Knoll-1	388.65	0.00	7.77	0.00	380.88
Knoll-2	390.29	0.00	9.13	0.00	381.16
Knoll-3	390.52	0.00	9.22	0.00	381.30
Knoll-4	389.42	0.00	8.53	0.00	380.89
MW-1A	387.33	0.00	6.79	0.00	380.54
MW-2A	388.25	7.00	8.25	1.25	380.90
MW-3	-	-	-	-	-
MW-5A	389.98	0.00	7.69	0.00	382.29
MW-6A	395.51	0.00	6.99	0.00	388.52
MW-7A	387.58	0.00	6.74	0.00	380.84
MW-8A	388.51	0.00	7.17	0.00	381.34
MW-9D	388.08	0.00	7.09	0.00	380.99

DATE COLLECTED: 3/10/05

WELL ID	CASING ELEV.	DEPTH TO PRODUCT	DEPTH TO WATER	PRODUCT THICK.	WATER ELEV.
Knoll-1	388.65	0.00	7.70	0.00	380.95
Knoll-2	390.29	0.00	9.27	0.00	381.02
Knoll-3	390.52	0.00	9.41	0.00	381.11
Knoll-4	389.42	0.00	8.46	0.00	380.96
MW-1A	387.33	0.00	6.51	0.00	380.82
MW-2A	388.25	6.32	7.40	1.08	381.63
MW-3	-	-	-	-	-
MW-5A	389.98	0.00	-	0.00	-
MW-6A	395.51	0.00	6.88	0.00	388.63
MW-7A	387.58	0.00	6.74	0.00	380.84
MW-8A	388.51	0.00	7.33	0.00	381.18
MW-9D	388.08	0.00	7.18	0.00	380.90

Table 16
Ground Water Elevation Data and LNAPL Thickness

DATE COLLECTED: 3/17/05

WELL ID	CASING ELEV.	DEPTH TO PRODUCT	DEPTH TO WATER	PRODUCT THICK.	WATER ELEV.
Knoll-1	388.65	0.00	7.63	0.00	381.02
Knoll-2	390.29	0.00	9.24	0.00	381.05
Knoll-3	390.52	0.00	9.39	0.00	381.13
Knoll-4	389.42	0.00	8.46	0.00	380.96
MW-1A	387.33	0.00	6.44	0.00	380.89
MW-2A	388.25	6.40	7.29	0.89	381.60
MW-3	-	-	-	-	-
MW-5A	389.98	0.00	-	0.00	-
MW-6A	395.51	0.00	6.87	0.00	388.64
MW-7A	387.58	0.00	6.70	0.00	380.88
MW-8A	388.51	0.00	7.30	0.00	381.21
MW-9D	388.08	0.00	7.19	0.00	380.89

DATE COLLECTED: 3/31/05

WELL ID	CASING ELEV.	DEPTH TO PRODUCT	DEPTH TO WATER	PRODUCT THICK.	WATER ELEV.
Knoll-1	388.65	0.00	6.87	0.00	381.78
Knoll-2	390.29	0.00	8.51	0.00	381.78
Knoll-3	390.52	0.00	8.65	0.00	381.87
Knoll-4	389.42	0.00	8.03	0.00	381.39
MW-1A	387.33	0.00	6.47	0.00	380.86
MW-2A	388.25	6.32	7.26	0.94	381.67
MW-3	-	-	-	-	-
MW-5A	389.98	0.00	-	0.00	-
MW-6A	395.51	0.00	6.39	0.00	389.12
MW-7A	387.58	0.00	6.06	0.00	381.52
MW-8A	388.51	0.00	6.62	0.00	381.89
MW-9D	388.08	0.00	5.94	0.00	382.14

DATE COLLECTED: 4/12/05

WELL ID	CASING ELEV.	DEPTH TO PRODUCT	DEPTH TO WATER	PRODUCT THICK.	WATER ELEV.
Knoll-1	388.65	0.00	6.91	0.00	381.74
Knoll-2	390.29	0.00	8.59	0.00	381.70
Knoll-3	390.52	0.00	8.75	0.00	381.77
Knoll-4	389.42	0.00	7.73	0.00	381.69
MW-1A	387.33	0.00	6.00	0.00	381.33
MW-2A	388.25	6.80	7.12	0.32	381.36
MW-3	-	-	-	-	-
MW-4A	-	-	6.59	-	-
MW-5A	389.98	0.00	8.49	0.00	-
MW-6A	395.51	0.00	6.51	0.00	389.00
MW-7A	387.58	0.00	6.30	0.00	381.28
MW-8A	388.51	0.00	6.70	0.00	381.81
MW-9D	388.08	0.00	6.51	0.00	381.57

DATE COLLECTED: 4/21/05

WELL ID	CASING ELEV.	DEPTH TO PRODUCT	DEPTH TO WATER	PRODUCT THICK.	WATER ELEV.
Knoll-1	388.65	0.00	6.91	0.00	381.74
Knoll-2	390.29	0.00	8.66	0.00	381.63
Knoll-3	390.52	0.00	8.78	0.00	381.74
Knoll-4	389.42	0.00	7.39	0.00	382.03
MW-1A	387.33	0.00	6.06	0.00	381.27
MW-2A	388.25	6.35	6.55	0.20	381.84
MW-3	-	-	-	-	-
MW-4A	-	-	6.68	-	-
MW-5A	389.98	0.00	8.58	0.00	-
MW-6A	395.51	0.00	6.20	0.00	389.31
MW-7A	387.58	0.00	6.26	0.00	381.32
MW-8A	388.51	0.00	6.61	0.00	381.90
MW-9D	388.08	0.00	6.60	0.00	381.48

Table 16
Ground Water Elevation Data and LNAPL Thickness

DATE COLLECTED: 5/09/05

WELL ID	CASING ELEV.	DEPTH TO PRODUCT	DEPTH TO WATER	PRODUCT THICK.	WATER ELEV.
Knoll-1	388.65	0.00	6.82	0.00	381.83
Knoll-2	390.29	0.00	8.63	0.00	381.66
Knoll-3	390.52	0.00	8.70	0.00	381.82
Knoll-4	389.42	0.00	7.36	0.00	382.06
MW-1A	387.33	0.00	6.03	0.00	381.30
MW-2A	388.25	6.30	6.49	0.19	381.90
MW-3	-	-	-	-	-
MW-4A	-	-	6.63	-	-
MW-5A	389.98	0.00	8.51	0.00	-
MW-6A	395.51	0.00	6.17	0.00	389.34
MW-7A	387.58	0.00	6.21	0.00	381.37
MW-8A	388.51	0.00	6.60	0.00	381.91
MW-9D	388.08	0.00	6.52	0.00	381.56

DATE COLLECTED: 6/09/05

WELL ID	CASING ELEV.	DEPTH TO PRODUCT	DEPTH TO WATER	PRODUCT THICK.	WATER ELEV.
Knoll-1	388.65	0.00	7.65	0.00	381.00
Knoll-2	390.29	0.00	9.31	0.00	380.98
Knoll-3	390.52	0.00	9.42	0.00	381.10
Knoll-4	389.42	0.00	8.31	0.00	381.11
MW-1A	387.33	0.00	6.65	0.00	380.68
MW-2A	388.25	6.68	6.81	0.13	381.53
MW-3	-	-	-	-	-
MW-4A	-	-	6.92	-	-
MW-5A	389.98	0.00	8.69	0.00	-
MW-6A	395.51	0.00	7.01	0.00	388.50
MW-7A	387.58	0.00	6.91	0.00	380.67
MW-8A	388.51	0.00	7.39	0.00	381.12
MW-9D	388.08	0.00	7.19	0.00	380.89

DATE COLLECTED: 7/5/05*

WELL ID	CASING ELEV.	DEPTH TO PRODUCT	DEPTH TO WATER	PRODUCT THICK. (feet)	WATER ELEV.
Knoll-1	388.53	0.00	8.14	0.00	380.39
Knoll-2	390.16	0.00	9.72	0.00	380.44
Knoll-3	390.37	0.00	9.90	0.00	380.47
Knoll-4	388.38	0.00	8.95	0.00	379.43
Knoll-5	399.57	0.00	10.78	0.00	388.79
Knoll-6	390.64	0.00	10.20	0.00	380.44
Knoll-7	390.10	0.00	9.72	0.00	380.38
Knoll-8	390.16	0.00	9.88	0.00	380.28
Knoll-9	390.93	0.00	10.52	0.00	380.41
Knoll-10	389.82	0.00	9.38	0.00	380.44
Knoll-11	389.75	0.00	9.56	0.00	380.19
MW-1A	387.14	0.00	7.01	0.00	380.13
MW-2A	388.14	6.88	6.91	0.03	381.25
MW-3	389.90	0.00	9.48	0.00	380.42
MW-4A	*Destoyed*				
MW-5A	389.85	0.00	9.57	0.00	380.28
MW-6A	387.22	0.00	7.34	0.00	379.88
MW-7A	387.41	0.00	7.28	0.00	380.13
MW-8A	388.24	0.00	7.81	0.00	380.43
MW-9D	387.85	0.00	7.61	0.00	380.24

*=new casing elevation

Table 16
Ground Water Elevation Data and LNAPL Thickness

DATE COLLECTED: 7/21/05

WELL ID	CASING ELEV.	DEPTH TO PRODUCT	DEPTH TO WATER	PRODUCT THICK.	WATER ELEV.
Knoll-1	388.53	0.00	8.11	0.00	380.42
Knoll-2	390.16	0.00	9.41	0.00	380.75
Knoll-3	390.37	0.00	9.59	0.00	380.78
Knoll-4	388.38	0.00	8.62	0.00	379.76
Knoll-5	399.57	0.00	10.49	0.00	389.08
Knoll-6	390.64	0.00	9.92	0.00	380.72
Knoll-7	390.10	0.00	9.42	0.00	380.68
Knoll-8	390.16	0.00	9.55	0.00	380.61
Knoll-9	390.93	0.00	10.21	0.00	380.72
Knoll-10	389.82	0.00	9.09	0.00	380.73
Knoll-11	389.75	0.00	9.31	0.00	380.44
MW-1A	387.14	0.00	6.81	0.00	380.33
MW-2A	388.14	-	-	-	-
MW-3	389.90	0.00	9.17	0.00	380.73
MW-4A	*Destoyed*				
MW-5A	389.85	0.00	9.23	0.00	380.62
MW-6A	387.22	0.00	7.22	0.00	380.00
MW-7A	387.41	0.00	7.08	0.00	380.33
MW-8A	388.24	0.00	7.53	0.00	380.71
MW-9D	387.85	0.00	7.37	0.00	380.48

DATE COLLECTED: 8/8/2005**

WELL ID	CASING ELEV.	DEPTH TO PRODUCT	DEPTH TO WATER	PRODUCT THICK.	WATER ELEV.
Knoll-1	388.53	0.00	8.15	0.00	380.38
Knoll-2	390.16	0.00	9.79	0.00	380.37
Knoll-3	390.37	0.00	9.95	0.00	380.42
Knoll-4	388.38	0.00	9.01	0.00	379.37
Knoll-5	399.57	0.00	10.85	0.00	388.72
Knoll-6	390.64	0.00	10.26	0.00	380.38
Knoll-7	390.10	0.00	9.79	0.00	380.31
Knoll-8	390.16	9.05	9.94	0.89	380.86
Knoll-9	390.93	0.00	10.54	0.00	380.39
Knoll-10	389.82	0.00	9.45	0.00	380.37
Knoll-11	389.75	8.45	9.61	1.16	380.98
Knoll-12	390.25	0.00	9.97	0.00	380.28
Knoll-13	389.72	0.00	9.72	0.00	380.00
Knoll-14	389.97	0.00	9.54	0.00	380.43
Knoll-15	390.53	0.00	10.14	0.00	380.39
Knoll-16	389.39	0.00	9.12	0.00	380.27
Knoll-17	389.45	0.00	9.38	0.00	380.07
Knoll-18	389.69	0.00	9.57	0.00	380.12
MW-1A	387.14	0.00	7.13	0.00	380.01
MW-2A	388.14	-	no measument	-	-
MW-3	389.90	0.00	9.51	0.00	380.39
MW-4A	*Destoyed*				
MW-5A	389.85	0.00	9.46	0.00	-
MW-6A	387.22	0.00	7.47	0.00	379.75
MW-7A	387.41	0.00	7.41	0.00	380.00
MW-8A	388.24	0.00	7.88	0.00	380.36
MW-9D	387.85	0.00	7.69	0.00	380.16

Table 16
Ground Water Elevation Data and LNAPL Thickness

DATE COLLECTED: 11/16/05

WELL ID	CASING ELEV.	DEPTH TO PRODUCT	DEPTH TO WATER	PRODUCT THICK.	WATER ELEV.
Knoll-1	388.53	0.00	7.82	0.00	380.71
Knoll-2	390.16	0.00	8.99	0.00	381.17
Knoll-3	390.37	0.00	9.15	0.00	381.22
Knoll-4	388.38	0.00	8.34	0.00	380.04
Knoll-5	399.57	0.00	10.05	0.00	389.52
Knoll-6	390.64	0.00	9.48	0.00	381.16
Knoll-7	390.10	0.00	9.00	0.00	381.10
Knoll-8	390.16	9.05	9.37	0.32	381.02
Knoll-9	390.93	0.00	9.75	0.00	381.18
Knoll-10	389.82	0.00	8.64	0.00	381.18
Knoll-11	389.75	8.45	8.85	0.40	381.19
Knoll-12	390.25	0.00	9.25	0.00	381.00
Knoll-13	389.72	0.00	8.69	0.00	381.03
Knoll-14	389.97	0.00	8.82	0.00	381.15
Knoll-15	390.53	0.00	9.36	0.00	381.17
Knoll-16	389.39	0.00	8.41	0.00	380.98
Knoll-17	389.45	0.00	8.45	0.00	381.00
Knoll-18	389.69	0.00	8.71	0.00	380.98
MW-1A	387.14	0.00	6.07	0.00	381.07
MW-2A	388.14	6.85	7.65	0.80	381.06
MW-3	389.90	0.00	8.78	0.00	381.12
MW-4A	*Destoyed*				
MW-5A	389.85	0.00	-	0.00	-
MW-6A	387.22	0.00	5.80	0.00	381.42
MW-7A	387.41	0.00	6.68	0.00	380.73
MW-8A	388.24	0.00	7.08	0.00	381.16
MW-9D	387.85	0.00	7.37	0.00	380.48

- = No Data

DATE COLLECTED: 11/23/05

WELL ID	CASING ELEV.	DEPTH TO PRODUCT	DEPTH TO WATER	PRODUCT THICK.	WATER ELEV.
Knoll-1	388.53	0.00	7.51	0.00	381.02
Knoll-2	390.16	0.00	8.74	0.00	381.42
Knoll-3	390.37	0.00	8.88	0.00	381.49
Knoll-4	388.38	0.00	7.91	0.00	380.47
Knoll-5	399.57	0.00	9.78	0.00	389.79
Knoll-6	390.64	0.00	9.21	0.00	381.43
Knoll-7	390.10	0.00	7.91	0.00	382.19
Knoll-8	390.16	8.93	9.21	0.28	381.15
Knoll-9	390.93	0.00	9.50	0.00	381.43
Knoll-10	389.82	0.00	8.37	0.00	381.45
Knoll-11	389.75	8.45	8.85	0.40	381.19
Knoll-12	390.25	0.00	-	0.00	-
Knoll-13	389.72	0.00	-	0.00	-
Knoll-14	389.97	0.00	-	0.00	-
Knoll-15	390.53	0.00	9.09	0.00	381.44
Knoll-16	389.39	0.00	7.98	0.00	381.41
Knoll-17	389.45	0.00	8.27	0.00	381.18
Knoll-18	389.69	0.00	8.41	0.00	381.28
MW-1A	387.14	0.00	6.05	0.00	381.09
MW-2A	388.14	6.85	7.50	0.65	381.11
MW-3	389.90	0.00	8.60	0.00	381.30
MW-4A	*Destoyed*				
MW-5A	389.85	0.00	-	0.00	-
MW-6A	387.22	0.00	5.35	0.00	381.87
MW-7A	387.41	0.00	6.07	0.00	381.34
MW-8A	388.24	0.00	6.80	0.00	381.44
MW-9D	387.85	0.00	6.68	0.00	381.17

Table 16
Ground Water Elevation Data and LNAPL Thickness

- = No Data

DATE COLLECTED: 12/7/2005

WELL ID	CASING ELEV.	DEPTH TO PRODUCT	DEPTH TO WATER	PRODUCT THICK.	WATER ELEV.
Knoll-1	388.53	0.00	7.43	0.00	381.10
Knoll-2	390.16	0.00	8.71	0.00	381.45
Knoll-3	390.37	0.00	8.81	0.00	381.56
Knoll-4	388.38	0.00	7.88	0.00	380.50
Knoll-5	399.57	0.00	9.73	0.00	389.84
Knoll-6	390.64	0.00	9.20	0.00	381.44
Knoll-7	390.10	0.00	7.88	0.00	382.22
Knoll-8	390.16	8.99	9.16	0.17	381.12
Knoll-9	390.93	0.00	9.48	0.00	381.45
Knoll-10	389.82	0.00	8.34	0.00	381.48
Knoll-11	389.75	0.00	8.81	0.00	380.94
Knoll-12	390.25	0.00	-	0.00	-
Knoll-13	389.72	0.00	-	0.00	-
Knoll-14	389.97	0.00	-	0.00	-
Knoll-15	390.53	0.00	9.13	0.00	381.40
Knoll-16	389.39	0.00	8.06	0.00	381.33
Knoll-17	389.45	0.00	8.31	0.00	381.14
Knoll-18	389.69	0.00	8.42	0.00	381.27
MW-1A	387.14	0.00	6.00	0.00	381.14
MW-2A	388.14	6.81	7.63	0.82	381.10
MW-3	389.90	0.00	8.58	0.00	381.32
MW-4A	*Destoyed*				
MW-5A	389.85	0.00	-	0.00	-
MW-6A	387.22	0.00	5.31	0.00	381.91
MW-7A	387.41	0.00	6.06	0.00	381.35
MW-8A	388.24	0.00	6.81	0.00	381.43
MW-9D	387.85	0.00	6.60	0.00	381.25

DATE COLLECTED: 3/16/2006***

WELL ID	CASING ELEV.	DEPTH TO PRODUCT	DEPTH TO WATER	PRODUCT THICK.	WATER ELEV.
Knoll-1	388.53	0.00	7.96	0.00	380.57
Knoll-2	390.16	0.00	9.56	0.00	380.60
Knoll-3	390.37	0.00	9.70	0.00	380.67
Knoll-4	388.38	0.00	8.77	0.00	379.61
Knoll-5	399.57	0.00	10.60	0.00	388.97
Knoll-6	390.64	0.00	9.00	0.00	381.64
Knoll-7	390.10	0.00	9.56	0.00	380.54
Knoll-8	390.16	8.99	9.00	0.01	381.17
Knoll-9	390.93	0.00	10.29	0.00	380.64
Knoll-10	389.82	0.00	9.17	0.00	380.65
Knoll-11	389.75	0.00	9.43	0.00	380.32
Knoll-12	390.25	0.00	9.77	0.00	380.48
Knoll-13	389.72	0.00	8.98	0.00	380.74
Knoll-14	389.97	0.00	9.38	0.00	380.59
Knoll-15	390.53	0.00	9.95	0.00	380.58
Knoll-16	389.39	0.00	8.71	0.00	380.68
Knoll-17	389.45	0.00	9.05	0.00	380.40
Knoll-18	389.69	0.00	10.25	0.00	379.44
Knoll-19	389.91	0.00	-	0.00	-
MW-1A	387.14	0.00	6.90	0.00	380.24
MW-2A	388.14	-	-	0.00	-
MW-3	389.90	0.00	9.33	0.00	380.57
MW-4A	*Destoyed*				
MW-5A	389.85	0.00	9.59	0.00	-
MW-6A	387.22	0.00	6.24	0.00	380.98
MW-7A	387.41	0.00	7.11	0.00	380.30
MW-8A	388.24	0.00	7.63	0.00	380.61
MW-9D	387.85	0.00	7.46	0.00	380.39

Table 16
Ground Water Elevation Data and LNAPL Thickness

New Survey data to include Knoll-19

DATE COLLECTED: 5/9/2006

WELL ID	CASING ELEV.	DEPTH TO PRODUCT	DEPTH TO WATER	PRODUCT THICK.	WATER ELEV.
Knoll-1	388.53	0.00	8.23	0.00	380.30
Knoll-2	390.16	0.00	9.77	0.00	380.39
Knoll-3	390.37	0.00	9.42	0.00	380.95
Knoll-4	388.38	0.00	8.99	0.00	379.39
Knoll-5	399.57	0.00	10.85	0.00	388.72
Knoll-6	390.64	0.00	10.23	0.00	380.41
Knoll-7	390.10	0.00	9.80	0.00	380.30
Knoll-8	390.16	8.80	9.19	0.39	381.25
Knoll-9	390.93	0.00	10.53	0.00	380.40
Knoll-10	389.82	0.00	9.41	0.00	380.41
Knoll-11	389.75	0.00	9.65	0.00	380.10
Knoll-12	390.25	0.00	10.03	0.00	380.22
Knoll-13	389.72	0.00	9.48	0.00	380.24
Knoll-14	389.97	0.00	9.58	0.00	380.39
Knoll-15	390.53	0.00	10.23	0.00	380.30
Knoll-16	389.39	0.00	9.09	0.00	380.30
Knoll-17	389.45	0.00	9.25	0.00	380.20
Knoll-18	389.69	0.00	9.54	0.00	380.15
Knoll-19	389.91	0.00	11.95	0.00	377.96
MW-1A	387.14	0.00	7.00	0.00	380.14
MW-2A	388.14	7.75	8.08	0.33	380.30
MW-3	389.90	0.00	9.55	0.00	380.35
MW-4A	*Destoyed*				
MW-5A	389.85	0.00	9.41	0.00	380.44
MW-6A	387.22	0.00	6.30	0.00	380.92
MW-7A	387.41	0.00	7.28	0.00	380.13
MW-8A	388.24	0.00	7.87	0.00	380.37
MW-9D	387.85	0.00	7.67	0.00	380.18

MW-4A = Destroyed

DATE COLLECTED: 5/17/2006

WELL ID	CASING ELEV.	DEPTH TO PRODUCT	DEPTH TO WATER	PRODUCT THICK.	WATER ELEV.
Knoll-1	388.53	0.00	7.95	0.00	380.58
Knoll-2	390.16	0.00	9.07	0.00	381.09
Knoll-3	390.37	0.00	8.73	0.00	381.64
Knoll-4	388.38	0.00	7.82	0.00	380.56
Knoll-5	399.57	0.00	9.65	0.00	389.92
Knoll-6	390.64	0.00	9.08	0.00	381.56
Knoll-7	390.10	0.00	8.50	0.00	381.60
Knoll-8	390.16	8.55	9.49	0.94	381.34
Knoll-9	390.93	0.00	9.41	0.00	381.52
Knoll-10	389.82	0.00	8.22	0.00	381.60
Knoll-11	389.75	0.00	8.74	0.00	381.01
Knoll-12	390.25	0.00	8.89	0.00	381.36
Knoll-13	389.72	0.00	8.33	0.00	381.39
Knoll-14	389.97	0.00	8.47	0.00	381.50
Knoll-15	390.53	0.00	9.03	0.00	381.50
Knoll-16	389.39	0.00	7.65	0.00	381.74
Knoll-17	389.45	0.00	7.93	0.00	381.52
Knoll-18	389.69	0.00	7.90	0.00	381.79
Knoll-19	389.91	0.00	10.83	0.00	379.08
MW-1A	387.14	0.00	5.78	0.00	381.36
MW-2A	388.14	6.26	6.75	0.49	381.74
MW-3	389.90	0.00	8.44	0.00	381.46
MW-4A	*Destoyed*				
MW-5A	389.85	0.00	8.47	0.00	381.38
MW-6A	387.22	0.00	5.19	0.00	382.03
MW-7A	387.41	0.00	5.88	0.00	381.53
MW-8A	388.24	0.00	6.88	0.00	381.36
MW-9D	387.85	0.00	6.62	0.00	381.23

*** New well elevation survey data*

Table 16
Ground Water Elevation Data and LNAPL Thickness

DATE COLLECTED: 5/18/2006

WELL ID	CASING ELEV.	DEPTH TO PRODUCT	DEPTH TO WATER	PRODUCT THICK.	WATER ELEV.
Knoll-1	388.53	0.00	7.04	0.00	381.49
Knoll-2	390.16	0.00	8.67	0.00	381.49
Knoll-3	390.37	0.00	8.81	0.00	381.56
Knoll-4	388.38	0.00	7.72	0.00	380.66
Knoll-5	399.57	0.00	9.75	0.00	389.82
Knoll-6	390.64	0.00	9.06	0.00	381.58
Knoll-7	390.10	0.00	8.61	0.00	381.49
Knoll-8	390.16	8.68	8.80	0.12	381.44
Knoll-9	390.93	0.00	9.48	0.00	381.45
Knoll-10	389.82	0.00	8.31	0.00	381.51
Knoll-11	389.75	0.00	8.65	0.00	381.10
Knoll-12	390.25	0.00	8.89	0.00	381.36
Knoll-13	389.72	0.00	8.35	0.00	381.37
Knoll-14	389.97	0.00	8.51	0.00	381.46
Knoll-15	390.53	0.00	9.10	0.00	381.43
Knoll-16	389.39	0.00	7.83	0.00	381.56
Knoll-17	389.45	0.00	8.03	0.00	381.42
Knoll-18	389.69	0.00	8.02	0.00	381.67
Knoll-19	389.91	0.00	10.91	0.00	379.00
MW-1A	387.14	0.00	5.96	0.00	381.18
MW-2A	388.14	6.60	6.70	0.10	381.51
MW-3	389.90	0.00	8.46	0.00	381.44
MW-4A	*Destoyed*				
MW-5A	389.85	0.00	8.49	0.00	381.36
MW-6A	387.22	0.00	5.40	0.00	381.82
MW-7A	387.41	0.00	6.05	0.00	381.36
MW-8A	388.24	0.00	6.79	0.00	381.45
MW-9D	387.85	0.00	6.66	0.00	381.19

*** New well elevation survey data*

DATE COLLECTED: 5/22/2006

WELL ID	CASING ELEV.	DEPTH TO PRODUCT	DEPTH TO WATER	PRODUCT THICK.	WATER ELEV.
Knoll-1	388.53	0.00	7.08	0.00	381.45
Knoll-2	390.16	0.00	8.79	0.00	381.37
Knoll-3	390.37	0.00	8.95	0.00	381.42
Knoll-4	388.38	0.00	7.90	0.00	380.48
Knoll-5	399.57	0.00	9.87	0.00	389.70
Knoll-6	390.64	0.00	9.29	0.00	381.35
Knoll-7	390.10	0.00	8.78	0.00	381.32
Knoll-8	390.16	8.79	9.08	0.29	381.29
Knoll-9	390.93	0.00	9.59	0.00	381.34
Knoll-10	389.82	0.00	8.46	0.00	381.36
Knoll-11	389.75	0.00	8.77	0.00	380.98
Knoll-12	390.25	0.00	9.04	0.00	381.21
Knoll-13	389.72	0.00	8.49	0.00	381.23
Knoll-14	389.97	0.00	8.61	0.00	381.36
Knoll-15	390.53	0.00	9.24	0.00	381.29
Knoll-16	389.39	0.00	8.07	0.00	381.32
Knoll-17	389.45	0.00	8.22	0.00	381.23
Knoll-18	389.69	0.00	8.30	0.00	381.39
Knoll-19	389.91	0.00	10.88	0.00	379.03
MW-1A	387.14	0.00	6.16	0.00	380.98
MW-2A	388.14	6.58	7.20	0.62	381.38
MW-3	389.90	0.00	8.61	0.00	381.29
MW-4A	*Destoyed*				
MW-5A	389.85	0.00	8.65	0.00	381.20
MW-6A	387.22	0.00	5.58	0.00	381.64
MW-7A	387.41	0.00	6.35	0.00	381.06
MW-8A	388.24	0.00	6.91	0.00	381.33
MW-9D	387.85	0.00	6.79	0.00	381.06

Table 16
Ground Water Elevation Data and LNAPL Thickness

DATE COLLECTED: 6/9/2006

WELL ID	CASING ELEV.	DEPTH TO PRODUCT	DEPTH TO WATER	PRODUCT THICK.	WATER ELEV.
Knoll-1	388.53	0.00	6.97	0.00	381.56
Knoll-2	390.16	0.00	8.25	0.00	381.91
Knoll-3	390.37	0.00	8.44	0.00	381.93
Knoll-4	388.38	0.00	7.31	0.00	381.07
Knoll-5	399.57	0.00	9.34	0.00	390.23
Knoll-6	390.64	0.00	8.77	0.00	381.87
Knoll-7	390.10	0.00	8.21	0.00	381.89
Knoll-8	390.16	8.24	8.40	0.16	381.29
Knoll-9	390.93	0.00	9.04	0.00	381.89
Knoll-10	389.82	0.00	7.94	0.00	381.88
Knoll-11	389.75	0.00	8.27	0.00	381.48
Knoll-12	390.25	0.00	8.49	0.00	381.76
Knoll-13	389.72	0.00	7.95	0.00	381.77
Knoll-14	389.97	0.00	8.12	0.00	381.85
Knoll-15	390.53	0.00	8.73	0.00	381.80
Knoll-16	389.39	0.00	7.48	0.00	381.91
Knoll-17	389.45	0.00	7.69	0.00	381.76
Knoll-18	389.69	0.00	7.78	0.00	381.91
Knoll-19	389.91	0.00	10.27	0.00	379.64
MW-1A	387.14	0.00	5.66	0.00	381.48
MW-2A	388.14	6.05	7.40	1.35	381.71
MW-3	389.90	0.00	8.03	0.00	381.87
MW-4A	*Destoyed*				
MW-5A	389.85	0.00	8.06	0.00	381.79
MW-6A	387.22	0.00	5.10	0.00	382.12
MW-7A	387.41	0.00	6.81	0.00	380.60
MW-8A	388.24	0.00	6.40	0.00	381.84
MW-9D	387.85	0.00	6.32	0.00	381.53

DATE COLLECTED: 1/17/2007

WELL ID	CASING ELEV.	DEPTH TO PRODUCT	DEPTH TO WATER	PRODUCT THICK.	WATER ELEV.
Knoll-1	388.53	0.00	7.63	0.00	380.90
Knoll-2	390.16	0.00	8.99	0.00	381.17
Knoll-3	390.37	0.00	9.13	0.00	381.24
Knoll-4	388.38	0.00	8.16	0.00	380.22
Knoll-5	399.57	0.00	9.98	0.00	389.59
Knoll-6	390.64	0.00	9.41	0.00	381.23
Knoll-7	390.10	0.00	8.23	0.00	381.87
Knoll-8	390.16	8.44	8.89	0.45	381.59
Knoll-9	390.93	0.00	9.68	0.00	381.25
Knoll-10	389.82	0.00	8.69	0.00	381.13
Knoll-11	389.75	0.00	9.23	0.00	380.52
Knoll-12	390.25	0.00	-	0.00	
Knoll-13	389.72	0.00	-	0.00	
Knoll-14	389.97	0.00	9.61	0.00	380.36
Knoll-15	390.53	0.00	9.67	0.00	380.86
Knoll-16	389.39	0.00	8.61	0.00	380.78
Knoll-17	389.45	0.00	8.66	0.00	380.79
Knoll-18	389.69	0.00	8.42	0.00	381.27
Knoll-19	389.91	0.00	11.11	0.00	378.80
Knoll-20		0.00	7.65	0.00	
Knoll-21		0.00	8.66	0.00	
Knoll-22		0.00	9.98	0.00	
Knoll-23		0.00	8.55	0.00	
Knoll-24		0.00	9.05	0.00	
Knoll-25		0.00	9.89	0.00	
MW-1A	387.14	0.00	-	0.00	379.15
MW-2A	388.14	7.69	7.99	0.30	
MW-3	389.90	0.00	-	0.00	
MW-4A	*Destoyed*				
MW-5A	389.85	0.00	-	0.00	
MW-6A	387.22	0.00	5.60	0.00	381.62
MW-7A	387.41	0.00	5.33	0.00	382.08
MW-8A	388.24	0.00	7.05	0.00	381.19
MW-9D	387.85	0.00	6.96	0.00	380.89

Table 16
Ground Water Elevation Data and LNAPL Thickness

DATE COLLECTED: 8/28/2007

WELL ID	CASING ELEV.	DEPTH TO PRODUCT	DEPTH TO WATER	PRODUCT THICK.	WATER ELEV.
Knoll-1	388.53	0.00	8.58	0.00	379.95
Knoll-2	390.16	0.00	10.14	0.00	380.02
Knoll-3	390.37	0.00	10.26	0.00	380.11
Knoll-4	388.38	0.00	9.30	0.00	379.08
Knoll-5	399.57	0.00	11.12	0.00	388.45
Knoll-6	390.64	0.00	10.54	0.00	380.10
Knoll-7	390.10	0.00	10.13	0.00	379.97
Knoll-8	390.16	10.20	11.97	1.77	379.46
Knoll-9	390.93	0.00	10.79	0.00	380.14
Knoll-10	389.82	0.00	9.69	0.00	380.13
Knoll-11	389.75	0.00	9.88	0.00	379.87
Knoll-12	390.25	0.00	-	0.00	
Knoll-13	389.72	0.00	-	0.00	
Knoll-14	389.97	0.00	9.61	0.00	380.36
Knoll-15	390.53	0.00	10.52	0.00	380.01
Knoll-16	389.39	0.00	9.47	0.00	379.92
Knoll-17	389.45	0.00	9.62	0.00	379.83
Knoll-18	389.69	0.00	9.91	0.00	379.78
Knoll-19	389.91	0.00	-	0.00	
Knoll-20		0.00	8.15	0.00	
Knoll-21		0.00	10.89	0.00	
Knoll-22		0.00	9.88	0.00	
Knoll-23		0.00	-	0.00	
Knoll-24		0.00	9.80	0.00	
Knoll-25		0.00	-	0.00	
MW-1A	387.14	0.00	7.37	0.00	377.65
MW-2A	388.14	8.55	9.49	0.94	
MW-3	389.90	0.00	-	0.00	
MW-4A			*Destoyed*		
MW-5A	389.85	0.00	-	0.00	
MW-6A	387.22	0.00	6.57	0.00	380.65
MW-7A	387.41	0.00	-	0.00	
MW-8A	388.24	0.00	8.15	0.00	380.09
MW-9D	387.85	0.00	7.95	0.00	379.90

DATE COLLECTED:9/16/08

WELL ID	CASING ELEV.	DEPTH TO PRODUCT	DEPTH TO WATER	PRODUCT THICK.	WATER ELEV.
Knoll-1	388.53	0.00	7.99	0.00	380.54
Knoll-2	390.16	0.00	9.46	0.00	380.70
Knoll-3	390.37	0.00	9.89	0.00	380.48
Knoll-4	388.38	0.00	7.55	0.00	380.83
Knoll-5	399.57	0.00	10.59	0.00	388.98
Knoll-6	390.64	0.00	10.00	0.00	380.64
Knoll-7	390.10	0.00	9.43	0.00	380.67
Knoll-8	390.16	8.98	10.25	1.27	380.82
Knoll-9	390.93	0.00	10.07	0.00	380.86
Knoll-10	389.82	0.00	8.99	0.00	380.83
Knoll-11	389.75	0.00	10.00	0.00	379.75
Knoll-12	390.25	0.00	**	0.00	
Knoll-13	389.72	0.00	**	0.00	
Knoll-14	389.97	0.00	**	0.00	
Knoll-15	390.53	0.00	9.89	0.00	380.64
Knoll-16	389.39	0.00	8.76	0.00	380.63
Knoll-17	389.45	0.00	7.89	0.00	381.56
Knoll-18	389.69	0.00	7.81	0.00	381.88
Knoll-19	389.91	0.00	-	0.00	
Knoll-20		0.00	8.01	0.00	
Knoll-21		0.00	10.88	0.00	
Knoll-22		0.00	9.18	0.00	
Knoll-23		0.00	8.56	0.00	
Knoll-24		0.00	9.13	0.00	
Knoll-25		0.00	**	0.00	
MW-1A	387.14	0.00	6.65	0.00	379.54
MW-2A	388.14	6.80	7.60	0.80	
MW-3	389.90	0.00	**	0.00	
MW-4A			*Destoyed*		
MW-5A	389.85	0.00	**	0.00	
MW-6A	387.22	0.00	6.00	0.00	381.22
MW-7A	387.41	0.00	9.24	0.00	378.17
MW-8A	388.24	0.00	7.59	0.00	380.65
MW-9D	387.85	0.00	7.24	0.00	380.61

*** = No access due to construction equipmen*

Table 16
Ground Water Elevation Data and LNAPL Thickness

DATE COLLECTED:7/3/08

WELL ID	CASING ELEV.	DEPTH TO PRODUCT	DEPTH TO WATER	PRODUCT THICK.	WATER ELEV.
Knoll-1	388.53	0.00	8.67	0.00	379.86
Knoll-2	390.16	0.00	10.17	0.00	379.99
Knoll-3	390.37	0.00	10.25	0.00	380.12
Knoll-4	388.38	0.00	9.22	0.00	379.16
Knoll-5	399.57	0.00	11.10	0.00	388.47
Knoll-6	390.64	0.00	10.55	0.00	380.09
Knoll-7	390.10	0.00	10.11	0.00	379.99
Knoll-8	390.16	10.02	11.85	1.83	379.63
Knoll-9	390.93	0.00	10.80	0.00	380.13
Knoll-10	389.82	0.00	9.69	0.00	380.13
Knoll-11	389.75	0.00	10.39	0.00	379.36
Knoll-12	390.25	0.00	**	0.00	
Knoll-13	389.72	0.00	**	0.00	
Knoll-14	389.97	0.00	**	0.00	
Knoll-15	390.53	0.00	10.50	0.00	380.03
Knoll-16	389.39	0.00	9.54	0.00	379.85
Knoll-17	389.45	0.00	9.71	0.00	379.74
Knoll-18	389.69	0.00	9.73	0.00	379.96
Knoll-19	389.91	0.00	-	0.00	
Knoll-20		0.00	8.58	0.00	
Knoll-21		0.00	10.95	0.00	
Knoll-22		0.00	9.99	0.00	
Knoll-23		0.00	9.31	0.00	
Knoll-24		0.00	9.90	0.00	
Knoll-25		0.00	**	0.00	
MW-1A	387.14	0.00	7.45	0.00	378.34
MW-2A	388.14	7.88	8.80	0.92	
MW-3	389.90	0.00	**	0.00	
MW-4A	*Destoyed*				
MW-5A	389.85	0.00	**	0.00	
MW-6A	387.22	0.00	6.61	0.00	380.61
MW-7A	387.41	0.00	9.85	0.00	377.56
MW-8A	388.24	0.00	8.16	0.00	380.08
MW-9D	387.85	0.00	8.02	0.00	379.83

*** = No access due to construction equipmen*

NEW ELEVATION DATA

DATE COLLECTED:9/9/10

WELL ID	CASING ELEV.	DEPTH TO PRODUCT	DEPTH TO WATER	PRODUCT THICK.(Inches)	WATER ELEV.
Knoll-1	*Destroyed*				
Knoll-2	446.56	0.00	**	0.00	
Knoll-3	446.46	0.00	**	0.00	
Knoll-4	445.57	0.00	9.36	0.00	436.21
Knoll-5	447.52	0.00	**	0.00	
Knoll-6	446.93	0.00	**	0.00	
Knoll-7	445.61	10.24	10.27	0.36	435.60
Knoll-8	446.52	10.21	11.34	13.56	444.94
Knoll-9	447.19	0.00	**	0.00	
Knoll-10	446.03	0.00	**	0.00	
Knoll-11	446.12	0.00	**	0.00	
Knoll-12	*Destroyed*				
Knoll-13	446.07	0.00	**	0.00	
Knoll-14	446.36	0.00	9.91	0.00	436.45
Knoll-15	446.94	0.00	**	0.00	
Knoll-16	445.91	0.00	**	0.00	
Knoll-17	445.95	0.00	9.81	0.00	436.14
Knoll-18	445.99	0.00	9.90	0.00	436.09
Knoll-19	*Destroyed*				
Knoll-20	443.90	0.00	**	0.00	
Knoll-21	446.82	0.00	**	0.00	
Knoll-22	446.35	0.00	**	0.00	
Knoll-23	445.74	0.00	**	0.00	
Knoll-24	446.16	0.00	**	0.00	
Knoll-25	446.76	0.00	9.90	0.00	436.86
Knoll-26	447.32	11.13	11.39	3.12	438.18
Knoll-27	447.07	10.95	11.20	3.00	438.03
Knoll-28	447.45	0.00	11.48	0.00	435.97
Knoll-29	446.39	0.00	9.99	0.00	436.40
Knoll-30	446.47	0.00	10.45	0.00	436.02
Knoll-31	442.23	0.00	5.70	0.00	436.53
Knoll-32	443.61	0.00	5.90	0.00	437.71
Knoll-33	446.84	0.00	10.56	0.00	436.28
Knoll-34	457.32	0.00	15.29	0.00	442.03
Knoll-35	446.58	0.00	**	0.00	
Knoll-36	448.08	0.00	**	0.00	
MW-1A	443.55	0.00	**	0.00	
MW-2A	448.35	7.88	**		
MW-3	*Destroyed*				
MW-4A	*Destroyed*				
MW-5A	446.36	0.00	**	0.00	
MW-6A	*Destroyed*				
MW-7A	*Destroyed*				
MW-8A	444.48	0.00	**	0.00	
MW-9D	444.02	0.00	**	0.00	

*** = No access*

Table 16
Ground Water Elevation Data and LNAPL Thickness

DATE COLLECTED 12/19/10

WELL ID	CASING ELEV.	DEPTH TO PRODUCT	DEPTH TO WATER	PRODUCT THICK.(Inches)	WATER ELEV.
Knoll-1			*Destroyed*		
Knoll-2	446.56	0.00	9.75	0.00	436.81
Knoll-3	446.46	0.00	9.62	0.00	436.84
Knoll-4	445.57	0.00	8.84	0.00	436.73
Knoll-5	447.52	0.00	10.85	0.00	436.67
Knoll-6	446.93	0.00	10.07	0.00	436.86
Knoll-7	445.61	8.81	8.83	0.24	436.95
Knoll-8	446.52	9.72	10.76	12.48	444.75
Knoll-9	447.19	0.00	10.30	0.00	436.89
Knoll-10	446.03	0.00	9.18	0.00	436.85
Knoll-11	446.12	0.00	9.43	0.00	436.69
Knoll-12			*Destroyed*		
Knoll-13	446.07	0.00	9.20	0.00	436.87
Knoll-14	446.36	0.00	**	0.00	
Knoll-15	446.94	0.00	10.06	0.00	436.88
Knoll-16	445.91	0.00	9.25	0.00	436.66
Knoll-17	445.95	0.00	9.27	0.00	436.68
Knoll-18	445.99	0.00	9.25	0.00	436.74
Knoll-19			*Destroyed*		
Knoll-20	443.90	0.00	8.19	0.00	435.71
Knoll-21	446.82	0.00	10.52	0.00	436.30
Knoll-22	446.35	0.00	**	0.00	
Knoll-23	445.74	0.00	8.85	0.00	436.89
Knoll-24	446.16	0.00	9.32	0.00	436.84
Knoll-25	446.76	0.00	10.04	0.00	436.72
Knoll-26	447.32	10.61	10.88	3.24	438.77
Knoll-27	447.07	10.35	10.62	3.24	438.78
Knoll-28	447.45	0.00	10.98	0.00	436.47
Knoll-29	446.39	0.00	9.92	0.00	436.47
Knoll-30	446.47	0.00	9.48	0.00	436.99
Knoll-31	442.23	0.00	5.19	0.00	437.04
Knoll-32	443.61	0.00	6.38	0.00	437.23
Knoll-33	446.84	0.00	10.03	0.00	436.81
Knoll-34	457.32	0.00	14.71	0.00	442.61
Knoll-35	446.58	0.00	9.45	0.00	437.13
Knoll-36	448.08	0.00	11.30	0.00	436.78
MW-1A	443.55	0.00	7.01	0.00	436.54
MW-2A	448.35	11.44	11.49	0.60	437.29
MW-3			*Destroyed*		
MW-4A			*Destroyed*		
MW-5A	446.36	0.00	9.40	0.00	436.96
MW-6A			*Destroyed*		
MW-7A			*Destroyed*		
MW-8A	444.48	0.00	7.68	0.00	436.80
MW-9D	444.02	0.00	7.42	0.00	436.60

*** = No access*

APPENDICES

VOLUME 1

APPENDIX A

ENVIRONMENTAL DATABASE REPORT EXECUTIVE SUMMARY



The EDR Radius Map
with GeoCheck®

2 Kansas Street
2 Kansas Street
Worcester, MA 01610

Inquiry Number: 1642176.1s

March 27, 2006

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

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GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

2 KANSAS STREET
WORCESTER, MA 01610

COORDINATES

Latitude (North):	42.244600 - 42° 14' 40.6''
Longitude (West):	71.804600 - 71° 48' 16.6''
Universal Tranverse Mercator:	Zone 19
UTM X (Meters):	268605.9
UTM Y (Meters):	4680529.5
Elevation:	452 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	42071-B7 WORCESTER SOUTH, MA
Most Recent Revision:	1983
North Map:	42071-C7 WORCESTER NORTH, MA
Most Recent Revision:	1983

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following government records. For more information on this property see page 6 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
BABCO REALTY 2 KANSAS ST WORCESTER, MA 01610	SHWS Facility Status: Response Action Outcome Not Required Release Facility Status: Response Action Outcome Not Required	N/A
CAMBRIDGE ST. RELIEF SEWER 2 KANSAS ST. WORCESTER, MA 01610	PADS	MAW000000342
FMR INDUSTRIAL SITE 2 KANSAS ST WORCESTER, MA	SHWS Facility Status: Response Action Outcome Not Required Release Facility Status: Response Action Outcome Not Required	N/A
CAMBRIDGE ST 2 KANSAS ST WORCESTER, MA 01610	SHWS Facility Status: Response Action Outcome Not Required Release Facility Status: Response Action Outcome Not Required	N/A

EXECUTIVE SUMMARY

ENVIRONMENTAL INKS & COATINGS
2-14 KANSAS ST.
WORCESTER, MA 01610

FINDS

110000309309

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

FEDERAL RECORDS

NPL	National Priority List
Proposed NPL	Proposed National Priority List Sites
Delisted NPL	National Priority List Deletions
NPL RECOVERY	Federal Superfund Liens
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
RCRA-TSDF	Resource Conservation and Recovery Act Information
RCRA-LQG	Resource Conservation and Recovery Act Information
ERNS	Emergency Response Notification System
HMIRS	Hazardous Materials Information Reporting System
US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
US BROWNFIELDS	A Listing of Brownfields Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
ODI	Open Dump Inventory
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
SSTS	Section 7 Tracking Systems
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
RAATS	RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

SWF/LF	Solid Waste Facility Database/Transfer Stations
AST	Aboveground Storage Tank Database
MA Spills	Historical Spill List
DRYCLEANERS	Regulated Drycleaning Facilities
ENF	Enforcement Action Cases
LEAD	Lead Inspection Database

TRIBAL RECORDS

INDIAN RESERV	Indian Reservations

EXECUTIVE SUMMARY

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

FEDERAL RECORDS

CERCLIS-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 10/24/2005 has revealed that there are 2 CERC-NFRAP sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
WARREN OIL CO	***459 SOUTHBRIDGE ST***	***1/4 - 1/2 NW***	***N56***	***120***
COMMONWEALTH GAS PROPERTY	25-30 QUINSIGAMOND AVEN	1/4 - 1/2 N	O64	133

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 12/29/2005 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
WYMAN GORDON CO	***105 MADISON STREET***	***1/2 - 1 N***	***AH146***	***333***

RCRAInfo: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). The database includes selective information on sites which generate, transport, store , treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of

hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-SQG list, as provided by EDR, and dated 12/15/2005 has revealed that there are 8 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
CONSOLIDATED FABRICATORS INC	*665 CAMBRIDGE ST*	*0 - 1/8 NNE*	*B8*	*20*
BOTWINIK BROS OF MASS INC	*2 SHERMAN ST*	*0 - 1/8 SW*	*17*	*37*
WORCESTER TRANSMISSIONS INC	*463 MILLBURY ST*	*0 - 1/8 SE*	*E19*	*40*
RONNIES AUTO BODY	*16 SOUTH CAMBRIDGE ST*	*1/8 - 1/4 W*	*30*	*65*
ALUMINUM HARD CHROME CORP	*30 COLTON ST*	*1/8 - 1/4 WNW*	*H31*	*69*
QUALATRON ELECTROPLATING INC	*27 WASHBURN ST*	*1/8 - 1/4 WNW*	*H32*	*69*
HARD CHROME DIV	*26 COLTON ST*	*1/8 - 1/4 WNW*	*H33*	*70*

Lower Elevation	Address	Dist / Dir	Map ID	Page
LUTCO INC	*677 CAMBRIDGE ST*	*0 - 1/8 NE*	*C11*	*25*

STATE AND LOCAL RECORDS

SHWS: Contains information on releases of oil and hazardous materials that have been reported to DEP.

A review of the SHWS list, as provided by EDR, and dated 01/10/2006 has revealed that there are 117 SHWS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
VANDALS REMOVED TANK CAP	*KANSAS ST.*	*0 - 1/8 W*	*A6*	*17*
Facility Status: Response Action Outcome				
BLOCK PROPERTY	*18 SHERMAN ST.*	*0 - 1/8 WSW*	*9*	*21*
Facility Status: Unclassified Waste Site				
GAS STATION FMR	*670 CAMBRIDGE ST*	*0 - 1/8 NNE*	*B10*	*23*
Facility Status: Response Action Outcome				
PETERSON OIL CO	*431 MILLBURY ST*	*0 - 1/8 E*	*D14*	*31*
Facility Status: Response Action Outcome				
PETERSON OIL	*450 MILLBURY ST*	*0 - 1/8 ESE*	*D16*	*35*
Facility Status: Response Action Outcome Not Required				
WORCESTER TRANSMISSION FORMER	*463 MILLBURY ST*	*0 - 1/8 SE*	*E18*	*37*
Facility Status: Response Action Outcome				
WORCESTER TIRE FORMER	*477 MILLBURY ST*	*1/8 - 1/4 SE*	*E20*	*40*
Facility Status: Response Action Outcome				
PETERSON OIL SERVICE	*490 MILLBURY ST*	*1/8 - 1/4 SE*	*F22*	*46*
Facility Status: Response Action Outcome Not Required				
Facility Status: Response Action Outcome Not Required				
LEYDEN DEVELOPMENT CORP	*2 SHERMAN ST*	*1/8 - 1/4 WSW*	*23*	*50*
Facility Status: Response Action Outcome				
MA HIGHWAY MANHOLE RELEASE	*510 MILLBURY ST*	*1/8 - 1/4 SSE*	*24*	*52*
Facility Status: Response Action Outcome				
Facility Status: Unclassified Waste Site				

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
MILLBURY ST SCHOOL	***389 MILLBURY ST***	***1/8 - 1/4 NE***	***29***	***63***
Facility Status: Response Action Outcome				
IRISH CAR CAR FORMER	***350 MILLBURY ST***	***1/8 - 1/4 NE***	***34***	***70***
Facility Status: Response Action Outcome				
IRISH CLUB	***562 572 MILLBURY ST***	***1/8 - 1/4 SE***	***35***	***73***
Facility Status: Response Action Outcome				
MILLBURY STREET TEXACO	***544 MILLBURY ST***	***1/8 - 1/4 SSE***	***I37***	***76***
WORC DPW COMBINED SEWER OVERFL	***60 QUINSIGAMOND AVE***	***1/4 - 1/2 N***	***39***	***81***
Facility Status: Response Action Outcome				
RILEY STOKER RESEARCH CTR	***45 MCKEON RD***	***1/4 - 1/2 WSW***	***40***	***85***
Facility Status: Waiver Completion Statement,Permanent				
Facility Status: Waiver Completion Statement,Permanent				
SOUTHBRIDGE STREET LLC PROPERT	***523 531 SOUTHBRIDGE ST***	***1/4 - 1/2 WNW***	***41***	***87***
Facility Status: Response Action Outcome				
CARVILLE PROPERTY	***574 578 MILLBURY ST***	***1/4 - 1/2 SE***	***42***	***89***
Facility Status: Response Action Outcome				
WIRE & METAL SEDERATION SYSTEM	***542 SOUTHBRIDGE ST***	***1/4 - 1/2 WNW***	***J43***	***91***
Facility Status: Response Action Outcome				
Facility Status: Response Action Outcome				
PAINT FIRE	***545 SOUTHBRIDGE ST***	***1/4 - 1/2 WNW***	***J44***	***94***
Facility Status: Response Action Outcome				
MASS ELECTRIC CO UTILITY POLE	***77 PERRY AVE***	***1/4 - 1/2 NE***	***45***	***96***
Facility Status: Response Action Outcome				
WORCESTER AUTO HEATING	***501 SOUTHBRIDGE ST***	***1/4 - 1/2 NW***	***46***	***97***
Facility Status: DEP No Further Action				
COLLEGE SQ TEXACO	***719 SOUTHBRIDGE ST***	***1/4 - 1/2 WSW***	***47***	***98***
Facility Status: Response Action Outcome				
Facility Status: Response Action Outcome				
IMMEDIATE PRIOR TO GRAFTON ST	***RTE 290W***	***1/4 - 1/2 WSW***	***K48***	***103***
Facility Status: Response Action Outcome				
Facility Status: Response Action Outcome				
BRIDGE OVER LAKE QUINSIGAMOND	***RTE 290W***	***1/4 - 1/2 WSW***	***K49***	***107***
Facility Status: Response Action Outcome				
NEAR HOLY CROSS COLLEGE	***RTE 290W***	***1/4 - 1/2 WSW***	***K50***	***109***
Facility Status: Response Action Outcome				
Facility Status: Response Action Outcome				
SHELDON PROPERTY	***477 SOUTHBRIDGE ST***	***1/4 - 1/2 NW***	***L51***	***112***
Facility Status: Response Action Outcome				
BETWEEN SOUTHGATE & HAMMOND ST	***430 459 SOUTHBRIDGE ST***	***1/4 - 1/2 NNW***	***52***	***113***
Facility Status: Response Action Outcome				
UNIVERSAL METAL CORP	***471 SOUTHBRIDGE ST***	***1/4 - 1/2 NW***	***L53***	***116***
Facility Status: Pending No Further Action				
PROVIDENCE WORCESTER RAIL	***460 SOUTHBRIDGE ST***	***1/4 - 1/2 NW***	***L54***	***117***
Facility Status: Response Action Outcome				
N F SHELDON INC	***3 CONGDON ST***	***1/4 - 1/2 NW***	***M55***	***119***
Facility Status: Response Action Outcome				
WARREN OIL CO	***459 SOUTHBRIDGE ST***	***1/4 - 1/2 NW***	***N56***	***120***
Facility Status: Response Action Outcome				

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
GRANITE REALTY TRUST	***1 ENDICOTT ST***	***1/4 - 1/2 N***	***57***	***122***
CALLAHAN INC	***455 SOUTHBRIDGE ST***	***1/4 - 1/2 NW***	***N58***	***124***
INTRANSIT CONTAINER INC	***448 SOUTHBRIDGE ST***	***1/4 - 1/2 NW***	***N59***	***125***
Facility Status: Response Action Outcome				
ILLEGALLY STORED DRUMS	***448 SOUTHBRIDGE ST.***	***1/4 - 1/2 NW***	***N60***	***126***
Facility Status: Response Action Outcome				
Facility Status: Response Action Outcome				
SWIP PARCEL 10A	***17 SOUTHGATE PL***	***1/4 - 1/2 NW***	***M61***	***130***
ROADWAY RELEASE	***SOUTHBRIDGE ST***	***1/4 - 1/2 NNW***	***62***	***131***
Facility Status: Response Action Outcome				
FROST INC.	***35 ARMORY ST.***	***1/4 - 1/2 WNW***	***66***	***136***
Facility Status: Response Action Outcome				
Facility Status: Unclassified Waste Site				
CHARLES MANOOG YARD 9	***401 SOUTHBRIDGE ST***	***1/4 - 1/2 NNW***	***P68***	***142***
Facility Status: Waiver Completion Statement,Permanent				
SWIP PARCEL 9A	***25 SOUTHGATE ST***	***1/4 - 1/2 NW***	***Q69***	***144***
SWIP PARCEL 4A	***28 SOUTHGATE ST***	***1/2 - 1 WNW***	***Q70***	***145***
COMMONWEALTH GAS	***QUINSIGAMOND AVE***	***1/2 - 1 N***	***71***	***146***
Facility Status: Response Action Outcome				
Facility Status: Response Action Outcome				
RESIDENTIAL SPILL	***27 LOUISE ST***	***1/2 - 1 ESE***	***72***	***150***
Facility Status: Response Action Outcome				
Not reported	***36 UPSALA ST***	***1/2 - 1 ESE***	***73***	***152***
Facility Status: Response Action Outcome				
DACOR CO.	***65 ARMORY ST.***	***1/2 - 1 WNW***	***R74***	***155***
P&W RAILROAD	***75 HAMMOND ST.***	***1/2 - 1 NNW***	***75***	***157***
Facility Status: Response Action Outcome				
WRIGHT MACHINE CORP	***69 ARMORY ST***	***1/2 - 1 WNW***	***R78***	***165***
WILLIAM F LYNCH CO	***11 CANTERBURY ST***	***1/2 - 1 NW***	***T80***	***170***
SCRAP METAL YARD	***7-9 CANTERBURY ST***	***1/2 - 1 NNW***	***T82***	***174***
Facility Status: Response Action Outcome				
THOMAS SWEENEY	***49 CANTERBURY ST***	***1/2 - 1 NW***	***83***	***177***
Facility Status: Response Action Outcome				
PROVIDENCE & WORCESTER RR	***382 SOUTHBRIDGE ST***	***1/2 - 1 NNW***	***U84***	***178***
Facility Status: Response Action Outcome Not Required				
RAIL ROAD YARD	***382 SOUTHBRIDGE ST***	***1/2 - 1 NNW***	***U85***	***180***
Facility Status: Response Action Outcome				
UNITED VAN LINES/DESIGNS & ROS	***383 SOUTHBRIDGE ST***	***1/2 - 1 NNW***	***U86***	***183***
Facility Status: Response Action Outcome				
ENGINE HOUSE	***382 SOUTHBRIDGE ST***	***1/2 - 1 NNW***	***U87***	***185***
Facility Status: Response Action Outcome				
CITY OF WORCESTER	***53-65 CANTERBURY ST 85***	***1/2 - 1 WNW***	***88***	***186***
TRACTOR TRAILER ACCIDENT	***350 SOUTHBRIDGE ST.***	***1/2 - 1 NNW***	***91***	***191***
Facility Status: Response Action Outcome				
ST MARYS HIGHSCHOOL	***50 RICHLAND ST***	***1/2 - 1 NE***	***92***	***193***
Facility Status: Response Action Outcome				
TANKER THREAT	***CARPENTER ST***	***1/2 - 1 NNE***	***V94***	***196***
Facility Status: Response Action Outcome				

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
HOLY CROSS COLLEGE	***1 COLLEGE ST***	***1/2 - 1 SSW***	***100***	***206***
Facility Status: Response Action Outcome				
Facility Status: Response Action Outcome				
GKH PROJECT AREA	***GARDNER / TAINTER ST***	***1/2 - 1 WNW***	***101***	***214***
ST VINCENTS HOSP	***25 WINTHROP ST***	***1/2 - 1 ENE***	***Z104***	***221***
Facility Status: Response Action Outcome				
Facility Status: Response Action Outcome				
MBI INNOVATION CTR	***25 WINTHROP ST***	***1/2 - 1 ENE***	***Z105***	***224***
Facility Status: Response Action Outcome				
Facility Status: Response Action Outcome				
DENNIS SHINE POOL	***184 PROVIDENCE ST***	***1/2 - 1 E***	***107***	***236***
Facility Status: Response Action Outcome				
WORCESTER STORAGE CO	***HERMON ST***	***1/2 - 1 N***	***108***	***238***
Facility Status: Response Action Outcome				
WORCESTER PUBLIC SCHOOLS	***211 PROVIDENCE ST***	***1/2 - 1 ESE***	***112***	***246***
Facility Status: Response Action Outcome				
GRAND INDUSTRIAL PARK	***93-95 GRAND ST***	***1/2 - 1 WNW***	***113***	***248***
GRAND ST ABANDONED DRUMS	***65 GRAND ST***	***1/2 - 1 WNW***	***114***	***251***
STANLEY TOOLS WORCESTER PLT	***149 WASHINGTON ST***	***1/2 - 1 NNE***	***AB115***	***252***
THE STANLEY WORKS	***149 WASHINGTON ST***	***1/2 - 1 NNE***	***AB116***	***258***
Facility Status: Response Action Outcome Not Required				
STANLEY TOOL BLDG	***149 WASHINGTON ST***	***1/2 - 1 NNE***	***AB117***	***260***
Facility Status: Downgradient Property Status				
OFF 230 CAMBRIDGE ST	***ST JOHNS RD***	***1/2 - 1 W***	***119***	***267***
Facility Status: Response Action Outcome				
DANIEL FREELANDER	***53 HERMON ST***	***1/2 - 1 N***	***AC122***	***273***
EXXON CO	***185 MADISON ST***	***1/2 - 1 NNE***	***AD123***	***275***
Facility Status: Response Action Outcome				
TOSCO CORP	***185 MADISON ST***	***1/2 - 1 NNE***	***AD124***	***277***
Facility Status: Response Action Outcome				
PATRIOT METALS CO	***30-46 BALLARD ST***	***1/2 - 1 SE***	***AE125***	***279***
Facility Status: Response Action Outcome Not Required				
PATRIOT METALS FMR	***30 BALLARD ST***	***1/2 - 1 SE***	***AE126***	***285***
Facility Status: Response Action Outcome Not Required				
CK SMITH TANK FARM	***233 SOUTHBRIDGE ST***	***1/2 - 1 N***	***AC128***	***289***
Facility Status: Response Action Outcome				
NAPAC HOLDINGS LTD	***229 SOUTHBRIDGE ST***	***1/2 - 1 N***	***AC130***	***294***
Facility Status: Response Action Outcome				
MERIT STATION	***190 MADISON ST***	***1/2 - 1 NNE***	***AF131***	***295***
Facility Status: Response Action Outcome				
INT GREEN ST	***190 MADISON ST***	***1/2 - 1 NNE***	***AF133***	***300***
Facility Status: Response Action Outcome Not Required				
MERIT GAS STA	***190 MADISON ST***	***1/2 - 1 NNE***	***AF134***	***301***
Facility Status: Downgradient Property Status				
AJD ENTERPRISES	***79 BEACON ST***	***1/2 - 1 N***	***135***	***303***
HDC ONE LLC	***35 BALLARD ST***	***1/2 - 1 SE***	***136***	***305***
Facility Status: Response Action Outcome				
GENERAL AUTOMOTIVE	***176 GREEN ST***	***1/2 - 1 NNE***	***AF137***	***309***
Facility Status: Response Action Outcome				

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
35 ELECTRIC COURT PROPERTY	***35 ELECTRIC CT***	***1/2 - 1 SSW***	***138***	***311***
Facility Status: LSP Opinion,No Further Action				
CHAFITZ PROPERTY	***35 HERMON ST***	***1/2 - 1 N***	***AG140***	***313***
Not reported	***875 MAIN ST***	***1/2 - 1 NW***	***143***	***318***
Facility Status: Unclassified Waste Site				
WYMAN GORDON INC.	***105 MADISON ST.***	***1/2 - 1 N***	***AH145***	***321***
Facility Status: Response Action Outcome				
Facility Status: Response Action Outcome				
WYMAN GORDON CO	***105 MADISON STREET***	***1/2 - 1 N***	***AH146***	***333***
Facility Status: Response Action Outcome Not Required				
WYMAN GORDAN CO	***105 MADISON ST***	***1/2 - 1 N***	***AH147***	***350***
Facility Status: Response Action Outcome				
GARAGE	***939 SOUTHBRIDGE ST***	***1/2 - 1 SW***	***AI148***	***358***
Facility Status: Response Action Outcome Not Required				
MA ELECTRIC CO	***939 SOUTHBRIDGE ST***	***1/2 - 1 SW***	***AI149***	***359***
Facility Status: Response Action Outcome				
MASSACHUSETTS ELECTRIC CO / NA	***939 SOUTHBRIDGE ST***	***1/2 - 1 SW***	***AI151***	***365***
Facility Status: Response Action Outcome				
MA ELECTRIC	***939 SOUTHBRIDGE ST***	***1/2 - 1 SW***	***AI152***	***370***
WORCESTER MAINTENANCE GARAGE	***939 SOUTHBRIDGE ST***	***1/2 - 1 SW***	***AI153***	***376***
CITGO GAS STA	***45 BALLARD ST***	***1/2 - 1 SE***	***AJ156***	***381***
Facility Status: Response Action Outcome Not Required				
INTERSECTION OF FREEMONT ST	***190 CAMBRIDGE ST***	***1/2 - 1 W***	***158***	***385***
Facility Status: Response Action Outcome				
BALLARD ST SUNOCO	***51 BALLARD ST***	***1/2 - 1 SE***	***AK160***	***388***
Facility Status: Response Action Outcome Not Required				
DUMPING	***114-116 DORCHESTER ST***	***1/2 - 1 ENE***	***165***	***398***
UTILITY POLE 12-1	***65 WATER ST***	***1/2 - 1 NNE***	***166***	***399***
Facility Status: Response Action Outcome				
NEIL SCANNELL	***69 GREEN ST***	***1/2 - 1 NNE***	***167***	***400***
Facility Status: Response Action Outcome				

Lower Elevation	Address	Dist / Dir	Map ID	Page
MYSTERY DUMPING	***680 CAMBRIDGE ST***	***0 - 1/8 NE***	***C12***	***26***
Facility Status: Response Action Outcome				
NISSEN BAKING CO INC	***75 QUINSIGAMOND AVE***	***1/8 - 1/4 NNE***	***G25***	***55***
Facility Status: Response Action Outcome				
TRANSFORMER RELEASE	***75 QUINSIGAMOND AVE***	***1/8 - 1/4 NNE***	***G26***	***57***
Facility Status: Response Action Outcome				
CASTLE METALS	***70 QUINSIGAMOND AVE***	***1/8 - 1/4 NNE***	***G28***	***61***
BP LUBRICANTS USA INC	***692 MILLBURY STREET***	***1/2 - 1 SE***	***S77***	***162***
Facility Status: Response Action Outcome				
P&B AUTO REPAIR	***707 MILLBURY ST***	***1/2 - 1 SE***	***90***	***189***
Facility Status: Response Action Outcome				
ALS GARAGE	***1 BALLARD ST***	***1/2 - 1 SE***	***96***	***199***
Facility Status: Waiver Completion Statement,Permanent				
SAM JAY REALTY TRUST FMR S&S	***744 MILLBURY ST***	***1/2 - 1 SE***	***W97***	***200***

Lower Elevation	Address	Dist / Dir	Map ID	Page
STARR SCRAP METAL	***753 MILLBURY ST***	***1/2 - 1 SE***	***W102***	***216***
Facility Status: Response Action Outcome Not Required				
OLD US STEEL FACILITY	***MILLBURY / BALLARD ST***	***1/2 - 1 SE***	***Y106***	***234***
Facility Status: Response Action Outcome				
BETWEEN PETERSON & IRISH PUB	***MILLBURY ST***	***1/2 - 1 SE***	***AA109***	***239***
Facility Status: Response Action Outcome				
DRYDEN OIL CO	***MILLBURY ST***	***1/2 - 1 SE***	***AA110***	***241***
Facility Status: Response Action Outcome				
TIPPERARY PUB	***735 737 MILLBURY ST***	***1/2 - 1 SE***	***AA111***	***244***
Facility Status: Response Action Outcome				
TRUCK ACCIDENT	***804 MILLBURY ST***	***1/2 - 1 SSE***	***127***	***288***
Facility Status: Response Action Outcome				
MORGAN LINEN	***851 MILLBURY ST***	***1/2 - 1 SSE***	***159***	***387***
Facility Status: LSP Opinion,No Further Action				

LUST: Sites within the Releases Database that have a UST listed as its source.

A review of the LUST list, as provided by EDR, and dated 01/10/2006 has revealed that there are 7 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
FORMER PETERSON OIL FACILITY	***450-490 MILLBURY ST***	***0 - 1/8 ESE***	***D15***	***33***
Facility Status: Response Action Outcome Not Required				
PETERSON OIL	***490 MILLBURY ST.***	***1/8 - 1/4 SE***	***F21***	***42***
Facility Status: Response Action Outcome Not Required				
JEMS OF NEW ENGLAND	***544 MILLBURY ST***	***1/8 - 1/4 SSE***	***I36***	***74***
Facility Status: Response Action Outcome Not Required				
WARREN OIL CO	***459 SOUTHBRIDGE ST***	***1/4 - 1/2 NW***	***N56***	***120***
Facility Status: Response Action Outcome				
COMGAS	***25 QUINSIGAMOND AVE***	***1/4 - 1/2 N***	***O65***	***133***
Facility Status: Response Action Outcome				
GETTY STATION FMR	***399 SOUTHBRIDGE ST***	***1/4 - 1/2 NNW***	***P67***	***140***
Facility Status: Response Action Outcome				

Lower Elevation	Address	Dist / Dir	Map ID	Page
CASTLE METALS	***70 QUINSIGAMOND AVE***	***1/8 - 1/4 NNE***	***G28***	***61***
Facility Status: Unclassified Waste Site				

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Protection's Summary Listing of all the Tanks Registered in the State of Massachusetts.

A review of the UST list, as provided by EDR, and dated 02/10/2006 has revealed that there are 4 UST

sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
PETERSON'S OIL SERVICE INC	431 MILLBURY ST	0 - 1/8 E	D13	28
GETTY STATION #30688	544 MILLBURY ST	1/8 - 1/4 SSE	I38	79

Lower Elevation	Address	Dist / Dir	Map ID	Page
NISSEN BAKING CO INC	***75 QUINSIGAMOND AVE***	***1/8 - 1/4 NNE***	***G25***	***55***
A M CASTLE & CO INC	70 QUINSIGAMOND AVE	1/8 - 1/4 NNE	G27	60

LAST: The Leaking Aboveground Storage Tanks database

A review of the LAST list, as provided by EDR, and dated 01/10/2006 has revealed that there are 2 LAST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
PETERSON OIL	***490 MILLBURY ST.***	***1/8 - 1/4 SE***	***F21***	***42***
Facility Status: Response Action Outcome Not Required				

Lower Elevation	Address	Dist / Dir	Map ID	Page
WACHUSETT WIRE CO	***641 CAMBRIDGE ST***	***0 - 1/8 NNW***	***7***	***19***
Facility Status: Response Action Outcome				

Release: MA Release Tracking Database.

A review of the Release list, as provided by EDR, and dated 01/10/2006 has revealed that there are 150 Release sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
VANDALS REMOVED TANK CAP	***KANSAS ST.***	***0 - 1/8 W***	***A6***	***17***
Facility Status: Response Action Outcome				
BLOCK PROPERTY	***18 SHERMAN ST.***	***0 - 1/8 WSW***	***9***	***21***
Facility Status: Unclassified Waste Site				
GAS STATION FMR	***670 CAMBRIDGE ST***	***0 - 1/8 NNE***	***B10***	***23***
Facility Status: Response Action Outcome				
PETERSON OIL CO	***431 MILLBURY ST***	***0 - 1/8 E***	***D14***	***31***
Facility Status: Response Action Outcome				
FORMER PETERSON OIL FACILITY	***450-490 MILLBURY ST***	***0 - 1/8 ESE***	***D15***	***33***
Facility Status: Response Action Outcome Not Required				
PETERSON OIL	***450 MILLBURY ST***	***0 - 1/8 ESE***	***D16***	***35***
Facility Status: Response Action Outcome Not Required				
WORCESTER TRANSMISSION FORMER	***463 MILLBURY ST***	***0 - 1/8 SE***	***E18***	***37***
Facility Status: Response Action Outcome				
WORCESTER TIRE FORMER	***477 MILLBURY ST***	***1/8 - 1/4 SE***	***E20***	***40***
Facility Status: Response Action Outcome				
PETERSON OIL	***490 MILLBURY ST.***	***1/8 - 1/4 SE***	***F21***	***42***
Facility Status: Response Action Outcome Not Required				
Facility Status: Response Action Outcome Not Required				

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
PETERSON OIL SERVICE	***490 MILLBURY ST***	***1/8 - 1/4 SE***	***F22***	***46***
Facility Status: Response Action Outcome Not Required				
LEYDEN DEVELOPMENT CORP	***2 SHERMAN ST***	***1/8 - 1/4 WSW***	***23***	***50***
Facility Status: Response Action Outcome				
MA HIGHWAY MANHOLE RELEASE	***510 MILLBURY ST***	***1/8 - 1/4 SSE***	***24***	***52***
Facility Status: Response Action Outcome				
Facility Status: Unclassified Waste Site				
MILLBURY ST SCHOOL	***389 MILLBURY ST***	***1/8 - 1/4 NE***	***29***	***63***
Facility Status: Response Action Outcome				
IRISH CAR CAR FORMER	***350 MILLBURY ST***	***1/8 - 1/4 NE***	***34***	***70***
Facility Status: Response Action Outcome				
IRISH CLUB	***562 572 MILLBURY ST***	***1/8 - 1/4 SE***	***35***	***73***
Facility Status: Response Action Outcome				
JEMS OF NEW ENGLAND	***544 MILLBURY ST***	***1/8 - 1/4 SSE***	***I36***	***74***
Facility Status: Response Action Outcome Not Required				
MILLBURY STREET TEXACO	***544 MILLBURY ST***	***1/8 - 1/4 SSE***	***I37***	***76***
WORC DPW COMBINED SEWER OVERFL	***60 QUINSIGAMOND AVE***	***1/4 - 1/2 N***	***39***	***81***
Facility Status: Response Action Outcome				
RILEY STOKER RESEARCH CTR	***45 MCKEON RD***	***1/4 - 1/2 WSW***	***40***	***85***
Facility Status: Waiver Completion Statement,Permanent				
SOUTHBRIDGE STREET LLC PROPERT	***523 531 SOUTHBRIDGE ST***	***1/4 - 1/2 WNW***	***41***	***87***
Facility Status: Response Action Outcome				
CARVILLE PROPERTY	***574 578 MILLBURY ST***	***1/4 - 1/2 SE***	***42***	***89***
Facility Status: Response Action Outcome				
WIRE & METAL SEDERATION SYSTEM	***542 SOUTHBRIDGE ST***	***1/4 - 1/2 WNW***	***J43***	***91***
Facility Status: Response Action Outcome				
PAINT FIRE	***545 SOUTHBRIDGE ST***	***1/4 - 1/2 WNW***	***J44***	***94***
Facility Status: Response Action Outcome				
MASS ELECTRIC CO UTILITY POLE	***77 PERRY AVE***	***1/4 - 1/2 NE***	***45***	***96***
Facility Status: Response Action Outcome				
WORCESTER AUTO HEATING	***501 SOUTHBRIDGE ST***	***1/4 - 1/2 NW***	***46***	***97***
Facility Status: DEP No Further Action				
COLLEGE SQ TEXACO	***719 SOUTHBRIDGE ST***	***1/4 - 1/2 WSW***	***47***	***98***
Facility Status: Response Action Outcome				
Facility Status: Response Action Outcome				
IMMEDIATE PRIOR TO GRAFTON ST	***RTE 290W***	***1/4 - 1/2 WSW***	***K48***	***103***
Facility Status: Response Action Outcome				
BRIDGE OVER LAKE QUINSIGAMOND	***RTE 290W***	***1/4 - 1/2 WSW***	***K49***	***107***
Facility Status: Response Action Outcome				
NEAR HOLY CROSS COLLEGE	***RTE 290W***	***1/4 - 1/2 WSW***	***K50***	***109***
Facility Status: Response Action Outcome				
SHELDON PROPERTY	***477 SOUTHBRIDGE ST***	***1/4 - 1/2 NW***	***L51***	***112***
Facility Status: Response Action Outcome				
BETWEEN SOUTHGATE & HAMMOND ST	***430 459 SOUTHBRIDGE ST***	***1/4 - 1/2 NNW***	***52***	***113***
Facility Status: Response Action Outcome				
UNIVERSAL METAL CORP	***471 SOUTHBRIDGE ST***	***1/4 - 1/2 NW***	***L53***	***116***
Facility Status: Pending No Further Action				

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
PROVIDENCE WORCESTER RAIL	***460 SOUTHBRIDGE ST***	***1/4 - 1/2 NW***	***L54***	***117***
Facility Status: Response Action Outcome				
N F SHELDON INC	***3 CONGDON ST***	***1/4 - 1/2 NW***	***M55***	***119***
Facility Status: Response Action Outcome				
WARREN OIL CO	***459 SOUTHBRIDGE ST***	***1/4 - 1/2 NW***	***N56***	***120***
Facility Status: Response Action Outcome				
GRANITE REALTY TRUST	***1 ENDICOTT ST***	***1/4 - 1/2 N***	***57***	***122***
CALLAHAN INC	***455 SOUTHBRIDGE ST***	***1/4 - 1/2 NW***	***N58***	***124***
INTRANSIT CONTAINER INC	***448 SOUTHBRIDGE ST***	***1/4 - 1/2 NW***	***N59***	***125***
Facility Status: Response Action Outcome				
ILLEGALLY STORED DRUMS	***448 SOUTHBRIDGE ST.***	***1/4 - 1/2 NW***	***N60***	***126***
Facility Status: Response Action Outcome				
SWIP PARCEL 10A	***17 SOUTHGATE PL***	***1/4 - 1/2 NW***	***M61***	***130***
ROADWAY RELEASE	***SOUTHBRIDGE ST***	***1/4 - 1/2 NNW***	***62***	***131***
Facility Status: Response Action Outcome				
COMGAS	***25 QUINSIGAMOND AVE***	***1/4 - 1/2 N***	***O65***	***133***
Facility Status: Response Action Outcome				
FROST INC.	***35 ARMORY ST.***	***1/4 - 1/2 WNW***	***66***	***136***
Facility Status: Response Action Outcome				
Facility Status: Unclassified Waste Site				
GETTY STATION FMR	***399 SOUTHBRIDGE ST***	***1/4 - 1/2 NNW***	***P67***	***140***
Facility Status: Response Action Outcome				
CHARLES MANOOG YARD 9	***401 SOUTHBRIDGE ST***	***1/4 - 1/2 NNW***	***P68***	***142***
Facility Status: Waiver Completion Statement,Permanent				
SWIP PARCEL 9A	***25 SOUTHGATE ST***	***1/4 - 1/2 NW***	***Q69***	***144***
SWIP PARCEL 4A	***28 SOUTHGATE ST***	***1/2 - 1 WNW***	***Q70***	***145***
COMMONWEALTH GAS	***QUINSIGAMOND AVE***	***1/2 - 1 N***	***71***	***146***
Facility Status: Response Action Outcome				
RESIDENTIAL SPILL	***27 LOUISE ST***	***1/2 - 1 ESE***	***72***	***150***
Facility Status: Response Action Outcome				
Not reported	***36 UPSALA ST***	***1/2 - 1 ESE***	***73***	***152***
Facility Status: Response Action Outcome				
DACOR CO.	***65 ARMORY ST.***	***1/2 - 1 WNW***	***R74***	***155***
P&W RAILROAD	***75 HAMMOND ST.***	***1/2 - 1 NNW***	***75***	***157***
Facility Status: Response Action Outcome				
WRIGHT MACHINE CORP	***69 ARMORY ST***	***1/2 - 1 WNW***	***R78***	***165***
NOARS OIL CO	***135 MILLBURY ST***	***1/2 - 1 NNE***	***79***	***168***
Facility Status: Response Action Outcome				
WILLIAM F LYNCH CO	***11 CANTERBURY ST***	***1/2 - 1 NW***	***T80***	***170***
WILLIAM F LYNCH	***11 CANTERBURY ST***	***1/2 - 1 NW***	***T81***	***172***
Facility Status: Response Action Outcome				
SCRAP METAL YARD	***7-9 CANTERBURY ST***	***1/2 - 1 NNW***	***T82***	***174***
Facility Status: Response Action Outcome				
THOMAS SWEENEY	***49 CANTERBURY ST***	***1/2 - 1 NW***	***83***	***177***
Facility Status: Response Action Outcome				
PROVIDENCE & WORCESTER RR	***382 SOUTHBRIDGE ST***	***1/2 - 1 NNW***	***U84***	***178***
Facility Status: Response Action Outcome Not Required				
RAIL ROAD YARD	***382 SOUTHBRIDGE ST***	***1/2 - 1 NNW***	***U85***	***180***
Facility Status: Response Action Outcome				

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
UNITED VAN LINES/DESIGNS & ROS	***383 SOUTHBRIDGE ST***	***1/2 - 1 NNW***	***U86***	***183***
Facility Status: Response Action Outcome				
ENGINE HOUSE	***382 SOUTHBRIDGE ST***	***1/2 - 1 NNW***	***U87***	***185***
Facility Status: Response Action Outcome				
CITY OF WORCESTER	***53-65 CANTERBURY ST 85***	***1/2 - 1 WNW***	***88***	***186***
HOBBS FASTENERS	***1 APPIAN WAY***	***1/2 - 1 WSW***	***89***	***187***
Facility Status: Response Action Outcome				
TRACTOR TRAILER ACCIDENT	***350 SOUTHBRIDGE ST.***	***1/2 - 1 NNW***	***91***	***191***
Facility Status: Response Action Outcome				
ST MARYS HIGHSCHOOL	***50 RICHLAND ST***	***1/2 - 1 NE***	***92***	***193***
Facility Status: Response Action Outcome				
WORCESTER HOUSING AUTHORITY	***2 LAFAYETTE ST***	***1/2 - 1 NNE***	***V93***	***195***
Facility Status: DEP No Further Action				
TANKER THREAT	***CARPENTER ST***	***1/2 - 1 NNE***	***V94***	***196***
Facility Status: Response Action Outcome				
GKH PROJECT	***65 TAINTER ST***	***1/2 - 1 NW***	***95***	***197***
Facility Status: Response Action Outcome Not Required				
GIRLS CLUB	***125 PROVIDENCE ST***	***1/2 - 1 ENE***	***X98***	***202***
Facility Status: Response Action Outcome				
GIRLS INC	***125 PROVIDENCE ST***	***1/2 - 1 ENE***	***X99***	***204***
Facility Status: Response Action Outcome				
HOLY CROSS COLLEGE	***1 COLLEGE ST***	***1/2 - 1 SSW***	***100***	***206***
Facility Status: Response Action Outcome				
Facility Status: Response Action Outcome				
GKH PROJECT AREA	***GARDNER / TAINTER ST***	***1/2 - 1 WNW***	***101***	***214***
ST VINCENTS HOSP	***25 WINTHROP ST***	***1/2 - 1 ENE***	***Z104***	***221***
Facility Status: Response Action Outcome				
MBI INNOVATION CTR	***25 WINTHROP ST***	***1/2 - 1 ENE***	***Z105***	***224***
Facility Status: Response Action Outcome				
Facility Status: Response Action Outcome				
DENNIS SHINE POOL	***184 PROVIDENCE ST***	***1/2 - 1 E***	***107***	***236***
Facility Status: Response Action Outcome				
WORCESTER STORAGE CO	***HERMON ST***	***1/2 - 1 N***	***108***	***238***
Facility Status: Response Action Outcome				
WORCESTER PUBLIC SCHOOLS	***211 PROVIDENCE ST***	***1/2 - 1 ESE***	***112***	***246***
Facility Status: Response Action Outcome				
GRAND INDUSTRIAL PARK	***93-95 GRAND ST***	***1/2 - 1 WNW***	***113***	***248***
GRAND ST ABANDONED DRUMS	***65 GRAND ST***	***1/2 - 1 WNW***	***114***	***251***
STANLEY TOOLS WORCESTER PLT	***149 WASHINGTON ST***	***1/2 - 1 NNE***	***AB115***	***252***
THE STANLEY WORKS	***149 WASHINGTON ST***	***1/2 - 1 NNE***	***AB116***	***258***
Facility Status: Response Action Outcome Not Required				
STANLEY TOOL BLDG	***149 WASHINGTON ST***	***1/2 - 1 NNE***	***AB117***	***260***
Facility Status: Downgradient Property Status				
CATHOLIC CHARITIES OF THE DIOC	***15 RIPLEY ST***	***1/2 - 1 NW***	***118***	***263***
Facility Status: Response Action Outcome				
Facility Status: Response Action Outcome				
OFF 230 CAMBRIDGE ST	***ST JOHNS RD***	***1/2 - 1 W***	***119***	***267***
Facility Status: Response Action Outcome				

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
EASTERN CHEM SPECIALTIES	***241 SOUTHBRIDGE ST***	***1/2 - 1 N***	***AC120***	***269***
Facility Status: Response Action Outcome				
COME PLAY PRODUCTS	***53 HERMON ST***	***1/2 - 1 N***	***AC121***	***271***
DANIEL FREELANDER	***53 HERMON ST***	***1/2 - 1 N***	***AC122***	***273***
EXXON CO	***185 MADISON ST***	***1/2 - 1 NNE***	***AD123***	***275***
Facility Status: Response Action Outcome				
TOSCO CORP	***185 MADISON ST***	***1/2 - 1 NNE***	***AD124***	***277***
Facility Status: Response Action Outcome				
PATRIOT METALS CO	***30-46 BALLARD ST***	***1/2 - 1 SE***	***AE125***	***279***
Facility Status: Response Action Outcome Not Required				
PATRIOT METALS FMR	***30 BALLARD ST***	***1/2 - 1 SE***	***AE126***	***285***
Facility Status: Response Action Outcome Not Required				
CK SMITH TANK FARM	***233 SOUTHBRIDGE ST***	***1/2 - 1 N***	***AC128***	***289***
Facility Status: Response Action Outcome				
HESS STATION	***184 MADISON ST***	***1/2 - 1 NNE***	***AF129***	***292***
Facility Status: Response Action Outcome				
NAPAC HOLDINGS LTD	***229 SOUTHBRIDGE ST***	***1/2 - 1 N***	***AC130***	***294***
Facility Status: Response Action Outcome				
MERIT STATION	***190 MADISON ST***	***1/2 - 1 NNE***	***AF131***	***295***
Facility Status: Response Action Outcome				
MERIT OIL CORP	***190 MADISON ST***	***1/2 - 1 NNE***	***AF132***	***297***
Facility Status: Response Action Outcome				
INT GREEN ST	***190 MADISON ST***	***1/2 - 1 NNE***	***AF133***	***300***
Facility Status: Response Action Outcome Not Required				
MERIT GAS STA	***190 MADISON ST***	***1/2 - 1 NNE***	***AF134***	***301***
Facility Status: Downgradient Property Status				
AJD ENTERPRISES	***79 BEACON ST***	***1/2 - 1 N***	***135***	***303***
HDC ONE LLC	***35 BALLARD ST***	***1/2 - 1 SE***	***136***	***305***
Facility Status: Response Action Outcome				
GENERAL AUTOMOTIVE	***176 GREEN ST***	***1/2 - 1 NNE***	***AF137***	***309***
Facility Status: Response Action Outcome				
35 ELECTRIC COURT PROPERTY	***35 ELECTRIC CT***	***1/2 - 1 SSW***	***138***	***311***
Facility Status: LSP Opinion,No Further Action				
PAP REALTY TRUST	***38 HERMON ST***	***1/2 - 1 N***	***AG139***	***312***
Facility Status: Response Action Outcome				
CHAFITZ PROPERTY	***35 HERMON ST***	***1/2 - 1 N***	***AG140***	***313***
L FARBER CO	***25 ST JOHNS RD***	***1/2 - 1 W***	***141***	***314***
Facility Status: Response Action Outcome				
HONEY FARMS	***231 CAMBRIDGE ST***	***1/2 - 1 W***	***142***	***316***
Facility Status: Response Action Outcome				
Not reported	***875 MAIN ST***	***1/2 - 1 NW***	***143***	***318***
Facility Status: Unclassified Waste Site				
WYMAN GORDON BLDG 74	***105 MADISON ST***	***1/2 - 1 N***	***AH144***	***319***
Facility Status: Response Action Outcome Not Required				
WYMAN GORDON INC.	***105 MADISON ST.***	***1/2 - 1 N***	***AH145***	***321***
Facility Status: Response Action Outcome				
Facility Status: Response Action Outcome				

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
WYMAN GORDON CO	***105 MADISON STREET***	***1/2 - 1 N***	***AH146***	***333***
Facility Status: Response Action Outcome				
Facility Status: Response Action Outcome Not Required				
WYMAN GORDAN CO	***105 MADISON ST***	***1/2 - 1 N***	***AH147***	***350***
Facility Status: Response Action Outcome				
GARAGE	***939 SOUTHBRIDGE ST***	***1/2 - 1 SW***	***AI148***	***358***
Facility Status: Response Action Outcome Not Required				
MA ELECTRIC CO	***939 SOUTHBRIDGE ST***	***1/2 - 1 SW***	***AI149***	***359***
Facility Status: Response Action Outcome				
MASS ELECTRIC	***939 SOUTHBRIDGE ST.***	***1/2 - 1 SW***	***AI150***	***361***
Facility Status: Response Action Outcome				
Facility Status: Response Action Outcome				
MASSACHUSETTS ELECTRIC CO / NA	***939 SOUTHBRIDGE ST***	***1/2 - 1 SW***	***AI151***	***365***
Facility Status: Response Action Outcome				
MA ELECTRIC	***939 SOUTHBRIDGE ST***	***1/2 - 1 SW***	***AI152***	***370***
WORCESTER MAINTENANCE GARAGE	***939 SOUTHBRIDGE ST***	***1/2 - 1 SW***	***AI153***	***376***
SUNOCO STATION	***779 MAIN ST***	***1/2 - 1 NNW***	***154***	***378***
Facility Status: Response Action Outcome				
GETTY GAS STATION	***45 BALLARD ST***	***1/2 - 1 SE***	***AJ155***	***379***
Facility Status: Response Action Outcome Not Required				
CITGO GAS STA	***45 BALLARD ST***	***1/2 - 1 SE***	***AJ156***	***381***
Facility Status: Response Action Outcome Not Required				
MAHONEY PROPERTY	***66 PROVIDENCE ST***	***1/2 - 1 NE***	***157***	***384***
Facility Status: Response Action Outcome				
INTERSECTION OF FREEMONT ST	***190 CAMBRIDGE ST***	***1/2 - 1 W***	***158***	***385***
Facility Status: Response Action Outcome				
BALLARD ST SUNOCO	***51 BALLARD ST***	***1/2 - 1 SE***	***AK160***	***388***
Facility Status: Response Action Outcome Not Required				
GAS N GO FMR	***51 BALLARD ST***	***1/2 - 1 SE***	***AK161***	***390***
Facility Status: Response Action Outcome				
SUNOCO STATION	***950 SOUTHBRIDGE ST***	***1/2 - 1 SW***	***162***	***393***
Facility Status: Response Action Outcome				
MAILLOUX RESIDENCE	***106 WOODLAND ST***	***1/2 - 1 NW***	***163***	***394***
Facility Status: Response Action Outcome				
HARDING ST REALTY CORP	***38 40 POND ST***	***1/2 - 1 NNE***	***164***	***396***
DUMPING	***114-116 DORCHESTER ST***	***1/2 - 1 ENE***	***165***	***398***
UTILITY POLE 12-1	***65 WATER ST***	***1/2 - 1 NNE***	***166***	***399***
Facility Status: Response Action Outcome				
NEIL SCANNELL	***69 GREEN ST***	***1/2 - 1 NNE***	***167***	***400***
Facility Status: Response Action Outcome				
MART BLDG	***662 MAIN ST***	***1/2 - 1 N***	***168***	***401***
Facility Status: Response Action Outcome				

Lower Elevation	Address	Dist / Dir	Map ID	Page
WACHUSETT WIRE CO	***641 CAMBRIDGE ST***	***0 - 1/8 NNW***	***7***	***19***
Facility Status: Response Action Outcome				
MYSTERY DUMPING	***680 CAMBRIDGE ST***	***0 - 1/8 NE***	***C12***	***26***
Facility Status: Response Action Outcome				

EXECUTIVE SUMMARY

Lower Elevation	Address	Dist / Dir	Map ID	Page
NISSEN BAKING CO INC	***75 QUINSIGAMOND AVE***	***1/8 - 1/4 NNE***	***G25***	***55***
Facility Status: Response Action Outcome				
TRANSFORMER RELEASE	***75 QUINSIGAMOND AVE***	***1/8 - 1/4 NNE***	***G26***	***57***
Facility Status: Response Action Outcome				
CASTLE METALS	***70 QUINSIGAMOND AVE***	***1/8 - 1/4 NNE***	***G28***	***61***
Facility Status: Unclassified Waste Site				
DRAKE PETROLEUM ALCOTT MANAGEM	***687 MILLBURY ST.***	***1/2 - 1 SE***	***S76***	***159***
Facility Status: Unclassified Waste Site				
Facility Status: Unclassified Waste Site				
BP LUBRICANTS USA INC	***692 MILLBURY STREET***	***1/2 - 1 SE***	***S77***	***162***
Facility Status: Response Action Outcome				
P&B AUTO REPAIR	***707 MILLBURY ST***	***1/2 - 1 SE***	***90***	***189***
Facility Status: Response Action Outcome				
ALS GARAGE	***1 BALLARD ST***	***1/2 - 1 SE***	***96***	***199***
Facility Status: Waiver Completion Statement,Permanent				
SAM JAY REALTY TRUST FMR S&S	***744 MILLBURY ST***	***1/2 - 1 SE***	***W97***	***200***
STARR SCRAP METAL	***753 MILLBURY ST***	***1/2 - 1 SE***	***W102***	***216***
Facility Status: Response Action Outcome Not Required				
JJ NISSEN BAKING CO	***7 BALLARD ST***	***1/2 - 1 SE***	***Y103***	***219***
Facility Status: Response Action Outcome				
OLD US STEEL FACILITY	***MILLBURY / BALLARD ST***	***1/2 - 1 SE***	***Y106***	***234***
Facility Status: Response Action Outcome				
BETWEEN PETERSON & IRISH PUB	***MILLBURY ST***	***1/2 - 1 SE***	***AA109***	***239***
Facility Status: Response Action Outcome				
DRYDEN OIL CO	***MILLBURY ST***	***1/2 - 1 SE***	***AA110***	***241***
Facility Status: Response Action Outcome				
TIPPERARY PUB	***735 737 MILLBURY ST***	***1/2 - 1 SE***	***AA111***	***244***
Facility Status: Response Action Outcome				
TRUCK ACCIDENT	***804 MILLBURY ST***	***1/2 - 1 SSE***	***127***	***288***
Facility Status: Response Action Outcome				
MORGAN LINEN	***851 MILLBURY ST***	***1/2 - 1 SSE***	***159***	***387***
Facility Status: LSP Opinion,No Further Action				

INST CONTROL: Activity and Use Limitations establish limits and conditions on the future use of contaminated property, and therefore allow cleanups to be tailored to these uses.

A review of the INST CONTROL list, as provided by EDR, and dated 01/10/2006 has revealed that there are 6 INST CONTROL sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
LEYDEN DEVELOPMENT CORP	***2 SHERMAN ST***	***1/8 - 1/4 WSW***	***23***	***50***
WORC DPW COMBINED SEWER OVERFL	***60 QUINSIGAMOND AVE***	***1/4 - 1/2 N***	***39***	***81***
BETWEEN SOUTHGATE & HAMMOND ST	***430 459 SOUTHBRIDGE ST***	***1/4 - 1/2 NNW***	***52***	***113***
PROVIDENCE WORCESTER RAIL	***460 SOUTHBRIDGE ST***	***1/4 - 1/2 NW***	***L54***	***117***
WARREN OIL CO	***459 SOUTHBRIDGE ST***	***1/4 - 1/2 NW***	***N56***	***120***
GETTY STATION FMR	***399 SOUTHBRIDGE ST***	***1/4 - 1/2 NNW***	***P67***	***140***

EXECUTIVE SUMMARY

EDR PROPRIETARY RECORDS

EDR Manufactured Gas Plants: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the Manufactured Gas Plants list, as provided by EDR, has revealed that there is 1 Manufactured Gas Plants site within approximately 1 mile of the target property.

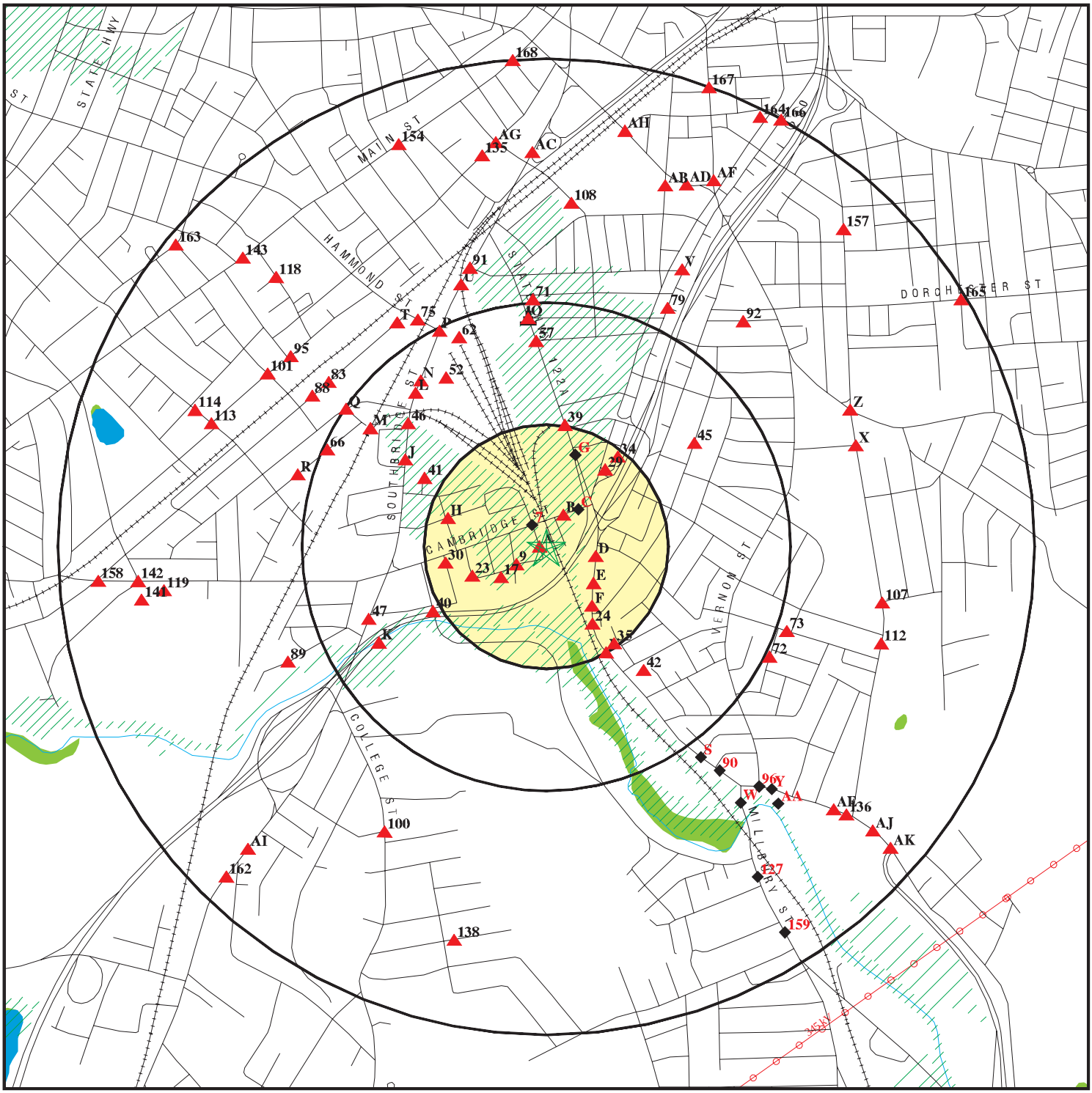
Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
COMMONWEALTH GAS CO	25-30 QUINSIGAMOND AVE	1/4 - 1/2 N	O63	133

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
INTERSECTION OF ONTARIO ST. AN	SHWS, Release
NEAR 80 BALLARD ST	SHWS, Release
JUST SOUTH OF GREENDALE MALL	SHWS, Release
SHAWS SUPERMARKET INC	SHWS, Release
ROADWAY RELEASE	SHWS, Release
MM 9.5	SHWS, Release
WORCESTER ACADEMY	SHWS, Release
OLD WORCESTER ROLLED STEEL	SHWS, Release
PIONEER OIL ROADWAY RELEASE	SHWS, Release
MANHOLES EAST OF CURES FURNITU	SHWS, Release
SCRAP YARD FMR	SHWS, Release
POLE 1	SHWS, Release
INT WITH MASSASOIT RD	SHWS, Release
GREENWOOD ST	SHWS, Release, ENF, MA Spills
HAMILTON ST POLE #62	SHWS, Release
RAMP OF ROUTE 290	SHWS, Release
JONUS CLARK BLD	SHWS, LUST, Release
N OF RTE 20	SHWS, Release, MA Spills
HURD RESIDENCE	SHWS, Release, LAST
GLOBAL PRODUCTS	SHWS, Release, MA Spills
ESTES EXPRESS ROADWAY RELEASE	SHWS
CORNER OF S HILL ST	SHWS, Release
HANDY PAD SUPPLY INC	SHWS, Release, INST CONTROL
LOT 4A	SHWS, Release
RTE 290 OVERPASS	SHWS, Release
WASTE MGT ROADWAY RELEASE	SHWS, Release
MED CITY	SHWS, Release
PETERSON OIL CO	LUST, Release, LAST
CLAPP ST ASSOCIATES	UST
ZACK TANK & CHASSIS	RCRA-SQG, FINDS

OVERVIEW MAP - 1642176.1s

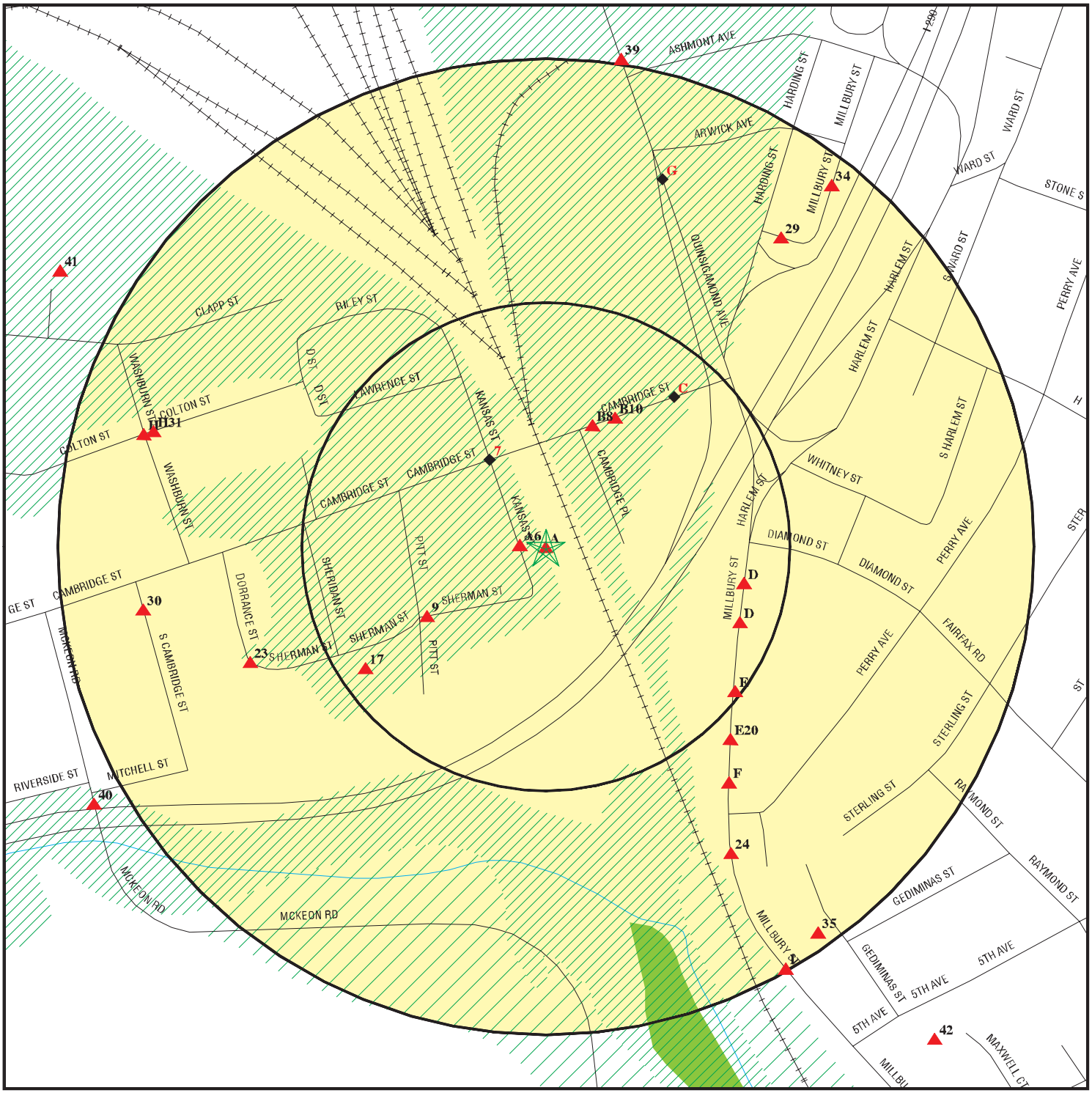


- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Federal Wetlands
- Areas of Critical Environmental Concern

SITE NAME: 2 Kansas Street	CLIENT: Knoll Environmental
ADDRESS: 2 Kansas Street	CONTACT: Momin Uddin
Worcester MA 01610	INQUIRY #: 1642176.1s
LAT/LONG: 42.2446 / 71.8046	DATE: March 27, 2006

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DETAIL MAP - 1642176.1s



Target Property
Sites at elevations higher than or equal to the target property
Sites at elevations lower than the target property
Manufactured Gas Plants
Sensitive Receptors
National Priority List Sites
Landfill Sites
Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA
Oil & Gas pipelines
100-year flood zone
500-year flood zone
Federal Wetlands

Areas of Critical Environmental Concern

N

SITE NAME: 2 Kansas Street	CLIENT: Knoll Environmental
ADDRESS: 2 Kansas Street Worcester MA 01610	CONTACT: Momin Uddin
LAT/LONG: 42.2446 / 71.8046	INQUIRY #: 1642176.1s DATE: March 27, 2006

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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FEDERAL RECORDS								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL RECOVERY		TP	NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	2	NR	NR	2
CORRACTS		1.000	0	0	0	1	NR	1
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRA Sm. Quan. Gen.		0.250	4	4	NR	NR	NR	8
ERNS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
PADS	X	TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
STATE AND LOCAL RECORDS								
State Haz. Waste	X	1.000	7	11	27	72	NR	117
State Landfill		0.500	0	0	0	NR	NR	0
LUST		0.500	1	3	3	NR	NR	7
UST		0.250	1	3	NR	NR	NR	4
LAST		0.500	1	1	0	NR	NR	2
AST		0.250	0	0	NR	NR	NR	0
MA Spills		TP	NR	NR	NR	NR	NR	0
Release	X	1.000	9	13	29	99	NR	150
INST CONTROL		0.500	0	1	5	NR	NR	6
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
ENF		TP	NR	NR	NR	NR	NR	0
LEAD		TP	NR	NR	NR	NR	NR	0
TRIBAL RECORDS								
INDIAN RESERV		1.000	0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR PROPRIETARY RECORDS								
Manufactured Gas Plants		1.000	0	0	1	0	NR	1

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
Target
Property

BABCO REALTY
2 KANSAS ST
WORCESTER, MA 01610

SHWS **S100043182**
Release **N/A**

Site 1 of 6 in cluster A

Actual:
452 ft.

SHWS:
Facility ID: 2-0000168
Site Status: TIER1B
Source Type: TRANSFORM
Release Town: WORCESTER
Notification Date : 10/31/85
Category : NONE
Associated ID : 2-0000168
Status Date : 07/11/97
Phase : PHASE IV
Oil Or Haz Material : Oil and Hazardous Material
Response Action Outcome Class : Not reported
Action:
Date: 12/27/05
Type: Response Action Outcome
Status: Delay in Meeting RA Deadline Ordered or Approved
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 12/27/05
Type: Phase III
Status: Delay in Meeting RA Deadline Ordered or Approved
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4141
Action:
Date: 12/27/05
Type: Phase IV
Status: Delay in Meeting RA Deadline Ordered or Approved
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9282
Action:
Date: 03/08/05
Type: Tier Classification
Status: PEREFF
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1959
Action:
Date: 10/31/85
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/11/97
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:

BABCO REALTY (Continued) **S100043182**

Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/20/01
Type: Release Abatement Measure
Status: Status Report Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1959
Action:
Date: 12/27/05
Type: Immediate Response
Status: Delay in Meeting RA Deadline Ordered or Approved
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1959
Action:
Date: 12/27/05
Type: Phase II
Status: Delay in Meeting RA Deadline Ordered or Approved
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1959
Chemical Released:
Chemical: WASTE OIL
Amount: Not reported
Chemical Released:
Chemical: 1,1'-BIPHENYL, CHLORO-DERIVS.
Amount: Not reported
Location Type: COMMERCIAL
FORMER
JUNKYARD
Source Type: TRANSFORM

Facility ID: 2-0011634
Site Status: Response Action Outcome Not Required
Source Type: UNKNOWN
Release Town: WORCESTER
Notification Date : 03/06/97
Category : 72 HR
Associated ID : 2-0000168
Status Date : 07/12/97
Phase : PHASE II
Oil Or Haz Material : Oil
Response Action Outcome Class : Not reported
Action:
Date: 03/25/97
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/11/02
Type: Immediate Response
Status: Level II - Audit Inspection
Response Action Outcome:

BABCO REALTY (Continued) **S100043182**

Activity Use Limitaion:
LSP Number: 1959
Action:
Date: 02/12/02
Type: Release Abatement Measure
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1959
Action:
Date: 07/11/97
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9763
Action:
Date: 03/08/05
Type: Tier Classification
Status: PEREXT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/06/97
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 12/27/05
Type: Immediate Response
Status: Delay in Meeting RA Deadline Ordered or Approved
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/12/97
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: 3, inches
Location Type: COMMERCIAL
Source Type: UNKNOWN

MA RELEASE:
Facility ID: 2-0000168
Primary ID: 2-0000168
Facility Status: TIER1B
Status Date: 07/11/97
Phase: PHASE IV
Notification: 10/31/85
Category: NONE

BABCO REALTY (Continued) **S100043182**

Official City: WORCESTER
Action:
Date: 12/27/05
Type: Response Action Outcome
Status: Delay in Meeting RA Deadline Ordered or Approved
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 12/27/05
Type: Phase III
Status: Delay in Meeting RA Deadline Ordered or Approved
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4141
Action:
Date: 12/27/05
Type: Phase IV
Status: Delay in Meeting RA Deadline Ordered or Approved
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9282
Action:
Date: 03/08/05
Type: Tier Classification
Status: PEREFF
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1959
Action:
Date: 10/31/85
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/11/97
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/20/01
Type: Release Abatement Measure
Status: Status Report Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1959
Action:
Date: 12/27/05
Type: Immediate Response
Status: Delay in Meeting RA Deadline Ordered or Approved
Response Action Outcome:
Activity Use Limitaion:

BABCO REALTY (Continued) **S100043182**

LSP Number: 1959
Action:
Date: 12/27/05
Type: Phase II
Status: Delay in Meeting RA Deadline Ordered or Approved
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1959
Chemical Released:
Chemical: WASTE OIL
Amount: Not reported
Chemical Released:
Chemical: 1,1'-BIPHENYL, CHLORO-DERIVS.
Amount: Not reported
Location Type: COMMERCIAL
FORMER
JUNKYARD
Source Type: TRANSFORM
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Oil and Hazardous Material

Facility ID: 2-0011634
Primary ID: 2-0000168
Facility Status: Response Action Outcome Not Required
Status Date: 07/12/97
Phase: PHASE II
Notification: 03/06/97
Category: 72 HR
Official City: WORCESTER
Action:
Date: 03/25/97
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/11/02
Type: Immediate Response
Status: Level II - Audit Inspection
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1959
Action:
Date: 02/12/02
Type: Release Abatement Measure
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1959
Action:
Date: 07/11/97
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9763

BABCO REALTY (Continued) **S100043182**

Action:
Date: 03/08/05
Type: Tier Classification
Status: PEREXT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/06/97
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 12/27/05
Type: Immediate Response
Status: Delay in Meeting RA Deadline Ordered or Approved
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/12/97
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: 3, inches
Location Type: COMMERCIAL
Source Type: UNKNOWN
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Oil

A2 **CAMBRIDGE ST. RELIEF SEWER** **PADS** **1007646432**
Target **2 KANSAS ST.** **MAW000000342**
Property **WORCESTER, MA 01610**

Site 2 of 6 in cluster A

Actual:
452 ft.

A3 **FMR INDUSTRIAL SITE** **SHWS** **S105596260**
Target **2 KANSAS ST** **Release** **N/A**
Property **WORCESTER, MA**

Site 3 of 6 in cluster A

Actual:
452 ft.

FMR INDUSTRIAL SITE (Continued) **S105596260**

SHWS:
Facility ID: 2-0014355
Site Status: Response Action Outcome Not Required
Source Type: TRANSFORM
Release Town: WORCESTER
Notification Date : 06/17/02
Category : TWO HR
Associated ID : 2-0000168
Status Date : 01/10/03
Phase : Not reported
Oil Or Haz Material : Hazardous Material
Response Action Outcome Class : Not reported
Action:
Date: 09/19/02
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4141
Action:
Date: 10/18/02
Type: Immediate Response
Status: Status Report Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4141
Action:
Date: 12/27/05
Type: Immediate Response
Status: Delay in Meeting RA Deadline Ordered or Approved
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/08/05
Type: Tier Classification
Status: PEREXT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/10/03
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4141
Action:
Date: 06/17/02
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: 1,1'-BIPHENYL, CHLORO-DERIVS.
Amount: 42, parts per million

FMR INDUSTRIAL SITE (Continued) **S105596260**

Location Type: INDUSTRIAL
Source Type: TRANSFORM

MA RELEASE:
Facility ID: 2-0014355
Primary ID: 2-0000168
Facility Status: Response Action Outcome Not Required
Status Date: 01/10/03
Phase: Not reported
Notification: 06/17/02
Category: TWO HR
Official City: WORCESTER
Action:
Date: 09/19/02
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4141
Action:
Date: 10/18/02
Type: Immediate Response
Status: Status Report Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4141
Action:
Date: 12/27/05
Type: Immediate Response
Status: Delay in Meeting RA Deadline Ordered or Approved
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/08/05
Type: Tier Classification
Status: PEREXT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/10/03
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4141
Action:
Date: 06/17/02
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: 1,1'-BIPHENYL, CHLORO-DERIVS.
Amount: 42, parts per million
Location Type: INDUSTRIAL

FMR INDUSTRIAL SITE (Continued) **S105596260**

Source Type: TRANSFORM
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Hazardous Material

A4 Target Property **CAMBRIDGE ST** **SHWS** **S104544918**
2 KANSAS ST **Release** **N/A**
WORCESTER, MA 01610

Site 4 of 6 in cluster A

Actual: 452 ft.

SHWS:
Facility ID: 2-0011667
Site Status: Response Action Outcome Not Required
Source Type: TRANSFORM
Release Town: WORCESTER
Notification Date : 04/03/97
Category : TWO HR
Associated ID : 2-0000168
Status Date : 07/12/97
Phase : Not reported
Oil Or Haz Material : Hazardous Material
Response Action Outcome Class : Not reported
Action:
Date: 05/12/97
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/11/02
Type: Immediate Response
Status: Level II - Audit Inspection
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/08/05
Type: Tier Classification
Status: PEREXT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/03/97
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/20/01
Type: Immediate Response
Status: Status Report Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1959
Action:
Date: 02/12/02

CAMBRIDGE ST (Continued) **S104544918**

Type: Release Abatement Measure
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/12/97
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 12/27/05
Type: Immediate Response
Status: Delay in Meeting RA Deadline Ordered or Approved
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: 1,1'-BIPHENYL, CHLORO-DERIVS.
Amount: 7816, parts per million
Location Type: COMMERCIAL
Source Type: TRANSFORM

MA RELEASE:
Facility ID: 2-0011667
Primary ID: 2-0000168
Facility Status: Response Action Outcome Not Required
Status Date: 07/12/97
Phase: Not reported
Notification: 04/03/97
Category: TWO HR
Official City: WORCESTER
Action:
Date: 05/12/97
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/11/02
Type: Immediate Response
Status: Level II - Audit Inspection
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/08/05
Type: Tier Classification
Status: PEREXT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/03/97
Type: Release

CAMBRIDGE ST (Continued) **S104544918**

Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/20/01
Type: Immediate Response
Status: Status Report Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1959
Action:
Date: 02/12/02
Type: Release Abatement Measure
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/12/97
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 12/27/05
Type: Immediate Response
Status: Delay in Meeting RA Deadline Ordered or Approved
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: 1,1'-BIPHENYL, CHLORO-DERIVS.
Amount: 7816, parts per million
Location Type: COMMERCIAL
Source Type: TRANSFORM
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Hazardous Material

A5 **ENVIRONMENTAL INKS & COATINGS** **FINDS** **1004517485**
Target **2-14 KANSAS ST.** **110000309309**
Property **WORCESTER, MA 01610**

Site 5 of 6 in cluster A

Actual:
452 ft.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
TOXIC CHEMICAL RELEASE INVENTORY SYSTEM

A6
West
< 1/8
71 ft.

Relative:
Equal

Actual:
452 ft.

VANDALS REMOVED TANK CAP
KANSAS ST.
WORCESTER, MA

SHWS
Release
MA Spills

S101038086
N/A

Site 6 of 6 in cluster A

SHWS:
Facility ID: 2-0011333
Site Status: Response Action Outcome
Source Type: DRUMS
Release Town: WORCESTER
Notification Date : 08/02/96
Category : TWO HR
Associated ID : -
Status Date : 08/09/96
Phase : Not reported
Oil Or Haz Material : Hazardous Material
Response Action Outcome Class : A1
Action:
Date: 08/09/96
Type: Response Action Outcome DEP Lead
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 08/02/96
Type: Immediate Response Action - DEP Lead
Status: Work Started
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 08/02/96
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - HAZARDOUS MATERIAL
Amount: Not reported
Location Type: INDUSTRIAL
MUNICIPAL
ROADWAY
Source Type: DRUMS

MA RELEASE:
Facility ID: 2-0011333
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 08/09/96
Phase: Not reported
Notification: 08/02/96
Category: TWO HR
Official City: WORCESTER
Action:
Date: 08/09/96
Type: Response Action Outcome DEP Lead

VANDALS REMOVED TANK CAP (Continued) **S101038086**

Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 08/02/96
Type: Immediate Response Action - DEP Lead
Status: Work Started
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 08/02/96
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - HAZARDOUS MATERIAL
Amount: Not reported
Location Type: INDUSTRIAL
MUNICIPAL
ROADWAY
Source Type: DRUMS
Response Action Outcome Class : A1
Oil / Haz Material Type : Hazardous Material

MA Spills:

Facility ID:	0000	Spill ID:	C91-0103
Staff Lead:	MURRAY, D	Date Entered:	Not reported
Last Entered:	03/05/1991	First Response:	03/05/1991
Spill Date:	03/05/1991	Report Date:	03/05/1991
Spill Time:	04:30AM	Report Time:	05:50AM
Case Closed:	YES	Mat Type:	PETROLEUM
Virgin Waste:	VIRGIN	Contam Soil:	Not reported
Env Impact:	SOIL	Other Impact:	Not reported
Material:	OTHER MATERIAL -->	Other Material:	MOTOR OIL
CAS No:	Not reported	PCB Lev (ppm):	NONE
Qty Reported:	51-100 GALLONS		
Qty Actual:	10,001 & UP GALLONS		
Source:	RR TANK/ENGINE	Other Source:	Not reported
Incident:	OTHER RELEASE >	Other Incdnt:	OPEN CAP
Cleanup Type:	---	Contractor:	NOT USED
Referral:	NO	LUST Elig:	NO
Notifier:	DISPATCHER LINDSEY/FIRE D		
Notif Tel:	Not reported		
Report Prep:	Not reported	Category:	Not reported
Days/Close:	56		

7
NNW
< 1/8
280 ft.

WACHUSETT WIRE CO
641 CAMBRIDGE ST
WORCESTER, MA 01610

Release
LAST

1002929699
N/A

Relative:
Lower

Actual:
450 ft.

LAST:
Facility ID: 2-0013456
Site Status: Response Action Outcome
Source Type: AST
Release Town: WORCESTER
Notification Date : 09/02/00
Category : TWO HR
Associated ID : -
Status Date : 10/19/00
Phase : Not reported
Oil Or Haz Material : Hazardous Material
Response Action Outcome Class : A1
Action:
Date: 10/19/00
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 3675
Action:
Date: 09/02/00
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/19/00
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 09/02/00
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: AMMONIA
Amount: 100, pounds
Location Type: INDUSTRIAL
Source Type: AST

MA RELEASE:
Facility ID: 2-0013456
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 10/19/00
Phase: Not reported
Notification: 09/02/00
Category: TWO HR

WACHUSETT WIRE CO (Continued) **1002929699**

Official City: WORCESTER
Action:
Date: 10/19/00
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 3675
Action:
Date: 09/02/00
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/19/00
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 09/02/00
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: AMMONIA
Amount: 100, pounds
Location Type: INDUSTRIAL
Source Type: AST
Response Action Outcome Class : A1
Oil / Haz Material Type : Hazardous Material

B8 **CONSOLIDATED FABRICATORS INC** **RCRA-SQG** **1005443690**
NNE **665 CAMBRIDGE ST** **FINDS** **MAR000504217**
< 1/8 **WORCESTER, MA 01610**
353 ft.

Site 1 of 2 in cluster B

Relative:
Equal

Actual:
452 ft.

RCRAInfo:
Owner: GEG
EPA ID: MAR000504217
Contact: FRED BEAULIEU
(508) 832-9686
Classification: Small Quantity Generator
TSDF Activities: Not reported

CONSOLIDATED FABRICATORS INC (Continued) **1005443690**

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

9
WSW
< 1/8
371 ft.

BLOCK PROPERTY
18 SHERMAN ST.
WORCESTER, MA

SHWS **S101024775**
Release **N/A**
MA Spills

Relative:
Higher

Actual:
455 ft.

SHWS:
Facility ID: 2-0015934
Site Status: Unclassified Waste Site
Source Type: UNKNOWN
Release Town: WORCESTER
Notification Date : 10/11/05
Category : 120 DY
Associated ID : -
Status Date : 10/11/05
Phase : Not reported
Oil Or Haz Material : Hazardous Material
Response Action Outcome Class : Not reported
Action:
Date: 11/03/05
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/11/05
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: AROCLOR 1254
Amount: 38.3, parts per million
Location Type: COMMERCIAL
Source Type: UNKNOWN

MA RELEASE:
Facility ID: 2-0015934
Primary ID: -
Facility Status: Unclassified Waste Site
Status Date: 10/11/05
Phase: Not reported
Notification: 10/11/05
Category: 120 DY
Official City: WORCESTER
Action:
Date: 11/03/05
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported

BLOCK PROPERTY (Continued) **S101024775**

Action:
Date: 10/11/05
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: AROCLOR 1254
Amount: 38.3, parts per million
Location Type: COMMERCIAL
Source Type: UNKNOWN
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Hazardous Material

MA Spills:

Facility ID:	0000	Spill ID:	C92-0363
Staff Lead:	DUNNE, B	Date Entered:	Not reported
Last Entered:	07/17/1992	First Response:	07/17/1992
Spill Date:	07/17/1992	Report Date:	07/17/1992
Spill Time:	Not reported	Report Time:	07:30PM
Case Closed:	YES	Mat Type:	PETROLEUM
Virgin Waste:	VIRGIN	Contam Soil:	Not reported
Env Impact:	SOIL	Other Impact:	Not reported
Material:	#2 FUEL OIL	Other Material:	Not reported
CAS No:	Not reported	PCB Lev (ppm):	NONE
Qty Reported:	UNKNOWN ----------		
Qty Actual:	UNKNOWN ----------		
Source:	U.S.T.	Other Source:	Not reported
Incident:	TANK REMOVAL	Other Incdnt:	Not reported
Cleanup Type:	---	Contractor:	NOT USED
Referral:	NO	LUST Elig:	NO
Notifier:	TED KENNEDY (413) 730-569		
Notif Tel:	Not reported		
Report Prep:	Not reported	Category:	Not reported
Days/Close:	0		

Facility ID:	0000	Spill ID:	C89-0484
Staff Lead:	BRESNAHAN, C	Date Entered:	08/16/1989
Last Entered:	06/06/1989	First Response:	06/06/1989
Spill Date:	06/06/1989	Report Date:	06/06/1989
Spill Time:	10:00AM	Report Time:	10:30AM
Case Closed:	YES	Mat Type:	PETROLEUM
Virgin Waste:	VIRGIN	Contam Soil:	Not reported
Env Impact:	SOIL	Other Impact:	Not reported
Material:	#2 FUEL OIL	Other Material:	Not reported
CAS No:	Not reported	PCB Lev (ppm):	NONE
Qty Reported:	---------- ----------		
Qty Actual:	---------- ----------		
Source:	U.S.T.	Other Source:	Not reported
Incident:	TANK REMOVAL	Other Incdnt:	Not reported
Cleanup Type:	---	Contractor:	NOT USED
Referral:	NO	LUST Elig:	YES
Notifier:	Not reported		
Notif Tel:	Not reported		
Report Prep:	Not reported	Category:	Not reported
Days/Close:	224		

B10
NNE
< 1/8
397 ft.

Relative:
Equal

Actual:
452 ft.

GAS STATION FMR
670 CAMBRIDGE ST
WORCESTER, MA 01600

SHWS **S105199036**
Release **N/A**

Site 2 of 2 in cluster B

SHWS:
Facility ID: 2-0000991
Site Status: Response Action Outcome
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 07/15/93
Category : NONE
Associated ID : -
Status Date : 05/03/05
Phase : PHASE III
Oil Or Haz Material : Oil
Response Action Outcome Class : A2
Action:
Date: 05/20/05
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: 9719
Action:
Date: 09/01/04
Type: Phase IV
Status: Written Plan Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9719
Action:
Date: 04/30/04
Type: Phase II
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9719
Action:
Date: 04/30/99
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/15/93
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/15/04
Type: Tier Classification
Status: Tier 2 Extension
Response Action Outcome:

GAS STATION FMR (Continued) **S105199036**

Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: Not reported
Location Type: GASSTATION
Source Type: Not reported

MA RELEASE:
Facility ID: 2-0000991
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 05/03/05
Phase: PHASE III
Notification: 07/15/93
Category: NONE
Official City: WORCESTER
Action:
Date: 05/20/05
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: 9719
Action:
Date: 09/01/04
Type: Phase IV
Status: Written Plan Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9719
Action:
Date: 04/30/04
Type: Phase II
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9719
Action:
Date: 04/30/99
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/15/93
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/15/04
Type: Tier Classification
Status: Tier 2 Extension
Response Action Outcome:

GAS STATION FMR (Continued) **S105199036**

Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: Not reported
Location Type: GASSTATION
Source Type: Not reported
Response Action Outcome Class : A2
Oil / Haz Material Type : Oil

C11 **LUTCO INC** **RCRA-SQG** **1000191950**
NE **677 CAMBRIDGE ST** **FINDS** **MAD001128966**
< 1/8 **WORCESTER, MA 01610**
527 ft.

Site 1 of 2 in cluster C

Relative:
Lower

Actual:
449 ft.

RCRAInfo:
Owner: LUTCO INC
EPA ID: MAD001128966
Contact: JOSEPH QUATTRUCCI
(508) 756-6296

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: 685(1)
Area of Violation: CONTAINER MGT=SAT'LITE ACCUMS/CONTAINER
Date Violation Determined: 09/01/1995
Actual Date Achieved Compliance: 11/29/1995

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 10/25/1995
Penalty Type: Not reported

Regulation Violated: 686
Area of Violation: GENERATOR INSPECTION SCHEDULE & LOG
Date Violation Determined: 09/01/1995
Actual Date Achieved Compliance: 11/29/1995

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 10/25/1995
Penalty Type: Not reported

Regulation Violated: 351(9)
Area of Violation: PREPARDNESS AND PREVENTION
Date Violation Determined: 09/01/1995
Actual Date Achieved Compliance: 11/29/1995

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 10/25/1995
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 09/20/1988
Actual Date Achieved Compliance: 04/19/1989

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 11/04/1988
Penalty Type: Not reported

Regulation Violated: Not reported

LUTCO INC (Continued) **1000191950**

Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 09/20/1988
Actual Date Achieved Compliance: 04/19/1989

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 11/04/1988
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 09/09/1987
Actual Date Achieved Compliance: 11/30/1988

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 09/10/1987
Penalty Type: Not reported

There are 6 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	CONTAINER MGT=SAT'LITE ACCUMS/CONTAINER	19951129
	GENERATOR INSPECTION SCHEDULE & LOG	19951129
	PREPARDNESS AND PREVENTION	19951129
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19890419
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19890419
Non-Financial Record Review	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19881130

FINDS:
Other Pertinent Environmental Activity Identified at Site:
AEROMETRIC INFORMATION RETRIEVAL SYSTEM/AIRS FACILITY SYSTEM
NATIONAL EMISSIONS INVENTORY
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM
TOXIC CHEMICAL RELEASE INVENTORY SYSTEM

C12 **MYSTERY DUMPING** **SHWS** **S102967263**
NE **680 CAMBRIDGE ST** **Release** **N/A**
< 1/8 **WORCESTER, MA**
533 ft.

Site 2 of 2 in cluster C

Relative:
Lower

Actual:
449 ft.

SHWS:
Facility ID: 2-0011999
Site Status: Response Action Outcome
Source Type: UNKNOWN
Release Town: WORCESTER
Notification Date : 11/25/97
Category : TWO HR
Associated ID : -
Status Date : 01/26/98
Phase : Not reported
Oil Or Haz Material : Hazardous Material
Response Action Outcome Class : A1
Action:
Date: 01/26/98
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 4058

MYSTERY DUMPING (Continued) **S102967263**

Action:
Date: 11/26/97
Type: Immediate Response
Status: Oral Approval of a Modified Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4058
Action:
Date: 01/26/98
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/26/98
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4058
Action:
Date: 11/25/97
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: ASBESTOS
Amount: 675, gallons
Chemical Released:
Chemical: ASBESTOS
Amount: 93, pounds
Location Type: Not reported
Source Type: UNKNOWN

MA RELEASE:
Facility ID: 2-0011999
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 01/26/98
Phase: Not reported
Notification: 11/25/97
Category: TWO HR
Official City: WORCESTER
Action:
Date: 01/26/98
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 4058
Action:
Date: 11/26/97
Type: Immediate Response
Status: Oral Approval of a Modified Plan

MYSTERY DUMPING (Continued) **S102967263**

Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4058
Action:
Date: 01/26/98
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/26/98
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4058
Action:
Date: 11/25/97
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: ASBESTOS
Amount: 675, gallons
Chemical Released:
Chemical: ASBESTOS
Amount: 93, pounds
Location Type: Not reported
Source Type: UNKNOWN
Response Action Outcome Class : A1
Oil / Haz Material Type : Hazardous Material

D13 **PETERSON'S OIL SERVICE INC** **UST** **U002007715**
East **431 MILLBURY ST** **N/A**
< 1/8 **WORCESTER, MA 01602**
545 ft.

Site 1 of 4 in cluster D

Relative:
Higher

Actual:
459 ft.

PETERSON'S OIL SERVICE INC (Continued) **U002007715**

UST:

Facility ID:	18447
Tank ID:	1
Tank Status:	Removed
Tank Useage:	Not reported
Capacity:	20000
Owner:	MASSACHUSETTS HIGHWAY DEPARTMENT
Owner Address:	10 PARK PLAZA, ROOM 4260
	BOSTON, MA 02116
Serial Number:	Not reported
Aboveground:	No
Contents:	Fuel Oil
Tank Material:	Steel
Tank Contents:	Not reported
Tank Leak Detection:	Not reported
Pipe Leak Detection:	Not reported
Description :	State
Fire Dept. ID :	27348
Financial Responsibility :	Normal

Facility ID:	18447
Tank ID:	2
Tank Status:	Removed
Tank Useage:	Not reported
Capacity:	20000
Owner:	MASSACHUSETTS HIGHWAY DEPARTMENT
Owner Address:	10 PARK PLAZA, ROOM 4260
	BOSTON, MA 02116
Serial Number:	Not reported
Aboveground:	No
Contents:	Fuel Oil
Tank Material:	Steel
Tank Contents:	Not reported
Tank Leak Detection:	Not reported
Pipe Leak Detection:	Not reported
Description :	State
Fire Dept. ID :	27348
Financial Responsibility :	Normal

Facility ID:	18447
Tank ID:	3
Tank Status:	Removed
Tank Useage:	Not reported
Capacity:	20000
Owner:	MASSACHUSETTS HIGHWAY DEPARTMENT
Owner Address:	10 PARK PLAZA, ROOM 4260
	BOSTON, MA 02116
Serial Number:	Not reported
Aboveground:	No
Contents:	Fuel Oil
Tank Material:	Steel
Tank Contents:	Not reported
Tank Leak Detection:	Not reported
Pipe Leak Detection:	Not reported
Description :	State
Fire Dept. ID :	27348
Financial Responsibility :	Normal

PETERSON'S OIL SERVICE INC (Continued) **U002007715**

Facility ID: 18447
Tank ID: 4
Tank Status: Removed
Tank Useage: Not reported
Capacity: 20000
Owner: MASSACHUSETTS HIGHWAY DEPARTMENT
Owner Address: 10 PARK PLAZA, ROOM 4260
BOSTON, MA 02116
Serial Number: Not reported
Aboveground: No
Contents: Fuel Oil
Tank Material: Steel
Tank Contents: Not reported
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Description : State
Fire Dept. ID : 27348
Financial Responsibility : Normal

Facility ID: 18447
Tank ID: 5
Tank Status: Removed
Tank Useage: Not reported
Capacity: 20000
Owner: MASSACHUSETTS HIGHWAY DEPARTMENT
Owner Address: 10 PARK PLAZA, ROOM 4260
BOSTON, MA 02116
Serial Number: Not reported
Aboveground: No
Contents: Fuel Oil
Tank Material: Steel
Tank Contents: Not reported
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Description : State
Fire Dept. ID : 27348
Financial Responsibility : Normal

Facility ID: 18447
Tank ID: 6
Tank Status: Removed
Tank Useage: Not reported
Capacity: 20000
Owner: MASSACHUSETTS HIGHWAY DEPARTMENT
Owner Address: 10 PARK PLAZA, ROOM 4260
BOSTON, MA 02116
Serial Number: Not reported
Aboveground: No
Contents: Fuel Oil
Tank Material: Steel
Tank Contents: Not reported
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Description : State
Fire Dept. ID : 27348
Financial Responsibility : Normal

PETERSON'S OIL SERVICE INC (Continued) **U002007715**

Facility ID:	18447
Tank ID:	7
Tank Status:	Removed
Tank Useage:	Not reported
Capacity:	20000
Owner:	MASSACHUSETTS HIGHWAY DEPARTMENT
Owner Address:	10 PARK PLAZA, ROOM 4260 BOSTON, MA 02116
Serial Number:	Not reported
Aboveground:	No
Contents:	Fuel Oil
Tank Material:	Steel
Tank Contents:	Not reported
Tank Leak Detection:	Not reported
Pipe Leak Detection:	Not reported
Description :	State
Fire Dept. ID :	27348
Financial Responsibility :	Normal

Facility ID:	18447
Tank ID:	8
Tank Status:	Removed
Tank Useage:	Not reported
Capacity:	500
Owner:	MASSACHUSETTS HIGHWAY DEPARTMENT
Owner Address:	10 PARK PLAZA, ROOM 4260 BOSTON, MA 02116
Serial Number:	Not reported
Aboveground:	No
Contents:	Fuel Oil
Tank Material:	Not reported
Tank Contents:	Not reported
Tank Leak Detection:	Not reported
Pipe Leak Detection:	Not reported
Description :	State
Fire Dept. ID :	27348
Financial Responsibility :	Normal

D14 **PETERSON OIL CO** **SHWS** **S100830776**
East **431 MILLBURY ST** **Release** **N/A**
< 1/8 **WORCESTER, MA 01600**
545 ft.

Site 2 of 4 in cluster D

Relative:
Higher

Actual:
459 ft.

PETERSON OIL CO (Continued) **S100830776**

SHWS:
Facility ID: 2-0001000
Site Status: Response Action Outcome
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 07/15/93
Category : NONE
Associated ID : -
Status Date : 08/07/97
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A2
Action:
Date: 02/08/05
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 08/07/97
Type: Release Abatement Measure
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/13/94
Type: Release Abatement Measure
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/15/93
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: Not reported
Location Type: COMMERCIAL
Source Type: Not reported

MA RELEASE:
Facility ID: 2-0001000
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 08/07/97
Phase: Not reported
Notification: 07/15/93
Category: NONE
Official City: WORCESTER
Action:

PETERSON OIL CO (Continued) **S100830776**

Date: 02/08/05
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 08/07/97
Type: Release Abatement Measure
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/13/94
Type: Release Abatement Measure
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/15/93
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: Not reported
Location Type: COMMERCIAL
Source Type: Not reported
Response Action Outcome Class : A2
Oil / Haz Material Type : Oil

D15 **FORMER PETERSON OIL FACILITY** **LUST** **S106863532**
ESE **450-490 MILLBURY ST** **Release** **N/A**
< 1/8 **WORCESTER, MA 01607**
563 ft.

Site 3 of 4 in cluster D

Relative:
Higher

Actual:
461 ft.

LUST:
Facility ID: 2-0015600
Site Status: **Response Action Outcome Not Required**
Source Type: UST
Release Town: WORCESTER
Notification Date : 02/10/05
Category : 72 HR
Associated ID : 2-0000930
Status Date : 04/08/05
Phase : Not reported
Oil Or Haz Material : Not reported
Response Action Outcome Class : Not reported
Action:
Date: 02/10/05
Type: Release
Status: REPORT
Response Action Outcome:

FORMER PETERSON OIL FACILITY (Continued) **S106863532**

Activity Use Limitaion:
LSP Number: 3978
Action:
Date: 04/08/05
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 3978
Action:
Date: 06/16/97
Type: Tier Classification
Status: LNKVTC
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/08/05
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 3978
Action:
Date: 04/25/05
Type: Immediate Response
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 3978
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 100, parts per million
Location Type: COMMERCIAL
Source Type: UST

MA RELEASE:
Facility ID: 2-0015600
Primary ID: 2-0000930
Facility Status: Response Action Outcome Not Required
Status Date: 04/08/05
Phase: Not reported
Notification: 02/10/05
Category: 72 HR
Official City: WORCESTER
Action:
Date: 02/10/05
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 3978
Action:
Date: 04/08/05
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:

FORMER PETERSON OIL FACILITY (Continued) **S106863532**

LSP Number: 3978
Action:
Date: 06/16/97
Type: Tier Classification
Status: LNKVTC
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/08/05
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 3978
Action:
Date: 04/25/05
Type: Immediate Response
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 3978
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 100, parts per million
Location Type: COMMERCIAL
Source Type: UST
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Not reported

D16 **PETERSON OIL** **SHWS** **S102084583**
ESE **450 MILLBURY ST** **Release** **N/A**
< 1/8 **WORCESTER, MA 01607**
563 ft.

Site 4 of 4 in cluster D

Relative:
Higher

SHWS:
Facility ID: 2-0010950
Actual: **Site Status:** **Response Action Outcome Not Required**
461 ft. Source Type: UNKNOWN
Release Town: WORCESTER
Notification Date : 10/04/95
Category : TWO HR
Associated ID : 2-0000930
Status Date : 06/16/97
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : Not reported
Action:
Date: 06/16/97
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1959
Action:
Date: 12/01/95
Type: RNF
Status: REPORT

PETERSON OIL (Continued) **S102084583**

Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/04/95
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1959
Action:
Date: 10/04/95
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/16/97
Type: Tier Classification
Status: LNKVTC
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: GASOLINE
Amount: 42,
Location Type: COMMERCIAL
Source Type: UNKNOWN

MA RELEASE:
Facility ID: 2-0010950
Primary ID: 2-0000930
Facility Status: Response Action Outcome Not Required
Status Date: 06/16/97
Phase: Not reported
Notification: 10/04/95
Category: TWO HR
Official City: WORCESTER
Action:
Date: 06/16/97
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1959
Action:
Date: 12/01/95
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/04/95
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:

PETERSON OIL (Continued) **S102084583**

Activity Use Limitaion:
LSP Number: 1959
Action:
Date: 10/04/95
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/16/97
Type: Tier Classification
Status: LNKVTC
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: GASOLINE
Amount: 42,
Location Type: COMMERCIAL
Source Type: UNKNOWN
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Oil

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17 **BOTWINIK BROS OF MASS INC** **RCRA-SQG** **1000437005**
SW **2 SHERMAN ST** **FINDS** **MAD001133099**
< 1/8 **WORCESTER, MA 01613**
588 ft.

Relative: Higher

Actual: 458 ft.

RCRAInfo:
Owner: MICHAEL ZERLIN
EPA ID: MAD001133099
Contact: HENRY SKONIECZNY
(508) 756-5175
Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

E18 **WORCESTER TRANSMISSION FORMER** **SHWS** **S103811277**
SE **463 MILLBURY ST** **Release** **N/A**
< 1/8 **WORCESTER, MA**
640 ft.

Site 1 of 3 in cluster E

Relative: Higher

Actual: 461 ft.

WORCESTER TRANSMISSION FORMER (Continued) **S103811277**

SHWS:
Facility ID: 2-0012572
Site Status: Response Action Outcome
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 12/01/98
Category : 120 DY
Associated ID : -
Status Date : 06/29/04
Phase : PHASE III
Oil Or Haz Material : Hazardous Material
Response Action Outcome Class : B1
Action:
Date: 12/28/04
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.
Activity Use Limitaion: NONE
LSP Number: 9719
Action:
Date: 02/18/00
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 2261
Action:
Date: 02/18/00
Type: Tier Classification
Status: Tier 2 Classification
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 2261
Action:
Date: 12/28/04
Type: Phase II
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9719
Action:
Date: 12/01/98
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: ARSENIC
Amount: 38, micrograms per kilogram
Chemical Released:
Chemical: BERYLLIUM
Amount: .82, micrograms per kilogram
Location Type: Not reported
Source Type: Not reported

WORCESTER TRANSMISSION FORMER (Continued) **S103811277**

MA RELEASE:
Facility ID: 2-0012572
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 06/29/04
Phase: PHASE III
Notification: 12/01/98
Category: 120 DY
Official City: WORCESTER
Action:
Date: 12/28/04
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.
Activity Use Limitaion: NONE
LSP Number: 9719
Action:
Date: 02/18/00
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 2261
Action:
Date: 02/18/00
Type: Tier Classification
Status: Tier 2 Classification
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 2261
Action:
Date: 12/28/04
Type: Phase II
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9719
Action:
Date: 12/01/98
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: ARSENIC
Amount: 38, micrograms per kilogram
Chemical Released:
Chemical: BERYLLIUM
Amount: .82, micrograms per kilogram
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : B1
Oil / Haz Material Type : Hazardous Material

E19 **WORCESTER TRANSMISSIONS INC** **RCRA-SQG** **1000169126**
SE **463 MILLBURY ST** **FINDS** **MAD019751320**
< 1/8 **WORCESTER, MA 01610**
643 ft.

Site 2 of 3 in cluster E

Relative:
Higher

RCRAInfo:
Owner: WORCESTER TRANSMISSIONS INC
Actual: EPA ID: MAD019751320
462 ft.
Contact: ROBERT EVANS
(508) 755-2581

Classification: Conditionally Exempt Small Quantity Generator
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 10/31/1988
Actual Date Achieved Compliance: 04/27/1989

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 12/01/1988
Penalty Type: Not reported

There are 1 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19890427

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

E20 **WORCESTER TIRE FORMER** **SHWS** **S103811278**
SE **477 MILLBURY ST** **Release** **N/A**
1/8-1/4 **WORCESTER, MA**
720 ft.

Site 3 of 3 in cluster E

Relative:
Higher

SHWS:
Facility ID: 2-0012573
Actual: **Site Status:** **Response Action Outcome**
462 ft.
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 12/01/98
Category : 120 DY
Associated ID : -
Status Date : 01/30/04
Phase : PHASE III
Oil Or Haz Material : Hazardous Material
Response Action Outcome Class : B1
Action:
Date: 02/11/04
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.
Activity Use Limitaion: NONE
LSP Number: 9719
Action:

WORCESTER TIRE FORMER (Continued) **S103811278**

Date: 12/01/98
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 02/18/00
Type: Tier Classification
Status: Tier 2 Classification
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 2261
Action:
Date: 02/18/00
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 2261
Action:
Date: 01/30/04
Type: Phase II
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9719
Chemical Released:
Chemical: LEAD
Amount: 1200, micrograms per kilogram
Location Type: Not reported
Source Type: Not reported

MA RELEASE:
Facility ID: 2-0012573
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 01/30/04
Phase: PHASE III
Notification: 12/01/98
Category: 120 DY
Official City: WORCESTER
Action:
Date: 02/11/04
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.
Activity Use Limitaion: NONE
LSP Number: 9719
Action:
Date: 12/01/98
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:

WORCESTER TIRE FORMER (Continued) **S103811278**

Date: 02/18/00
Type: Tier Classification
Status: Tier 2 Classification
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 2261
Action:
Date: 02/18/00
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 2261
Action:
Date: 01/30/04
Type: Phase II
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9719
Chemical Released:
Chemical: LEAD
Amount: 1200, micrograms per kilogram
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : B1
Oil / Haz Material Type : Hazardous Material

F21 **PETERSON OIL** **LUST** **S101038327**
SE **490 MILLBURY ST.** **Release** **N/A**
1/8-1/4 **WORCESTER, MA 01607** **LAST**
806 ft. **MA Spills**

Site 1 of 2 in cluster F

Relative:
Higher

LUST:
Facility ID: 2-0011589
Actual: **Site Status:** **Response Action Outcome Not Required**
461 ft. Source Type: UST
Release Town: WORCESTER
Notification Date : 01/27/97
Category : 72 HR
Associated ID : 2-0000930
Status Date : 06/16/97
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : Not reported
Action:
Date: 02/25/97
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/18/97
Type: Immediate Response
Status: Written Plan Received
Response Action Outcome:
Activity Use Limitaion:

PETERSON OIL (Continued) **S101038327**

LSP Number: 1959
Action:
Date: 06/16/97
Type: Tier Classification
Status: LNKVTC
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/16/97
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/27/97
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: Not reported
Chemical Released:
Chemical: FUEL OIL #2
Amount: 125, parts per million
Location Type: COMMERCIAL
Source Type: UST

LAST:
Facility ID: 2-0011710
Site Status: Response Action Outcome Not Required
Source Type: AST
Release Town: WORCESTER
Notification Date : 05/05/97
Category : TWO HR
Associated ID : 2-0000930
Status Date : 06/16/97
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : Not reported
Action:
Date: 10/10/97
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1959
Action:
Date: 06/16/97
Type: Tier Classification
Status: LNKVTC
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:

PETERSON OIL (Continued) **S101038327**

Date: 05/05/97
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/16/97
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/16/97
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: GASOLINE
Amount: 15, gallons
Chemical Released:
Chemical: GASOLINE
Amount: 20, gallons
Location Type: COMMERCIAL
Source Type: AST

MA RELEASE:
Facility ID: 2-0011589
Primary ID: 2-0000930
Facility Status: Response Action Outcome Not Required
Status Date: 06/16/97
Phase: Not reported
Notification: 01/27/97
Category: 72 HR
Official City: WORCESTER
Action:
Date: 02/25/97
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/18/97
Type: Immediate Response
Status: Written Plan Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1959
Action:
Date: 06/16/97
Type: Tier Classification
Status: LNKVTC
Response Action Outcome:
Activity Use Limitaion:

PETERSON OIL (Continued) **S101038327**

LSP Number: Not reported
Action:
Date: 06/16/97
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/27/97
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: Not reported
Chemical Released:
Chemical: FUEL OIL #2
Amount: 125, parts per million
Location Type: COMMERCIAL
Source Type: UST
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Oil

Facility ID: 2-0011710
Primary ID: 2-0000930
Facility Status: Response Action Outcome Not Required
Status Date: 06/16/97
Phase: Not reported
Notification: 05/05/97
Category: TWO HR
Official City: WORCESTER
Action:
Date: 10/10/97
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1959
Action:
Date: 06/16/97
Type: Tier Classification
Status: LNKVTC
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 05/05/97
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/16/97

PETERSON OIL (Continued) **S101038327**

Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/16/97
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: GASOLINE
Amount: 15, gallons
Chemical Released:
Chemical: GASOLINE
Amount: 20, gallons
Location Type: COMMERCIAL
Source Type: AST
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Oil

MA Spills:

Facility ID:	2-0930	Spill ID:	C91-0067
Staff Lead:	DUNLOP, C	Date Entered:	06/16/1992
Last Entered:	02/09/1991	First Response:	02/09/1991
Spill Date:	02/09/1991	Report Date:	02/09/1991
Spill Time:	Not reported	Report Time:	11:15
Case Closed:	YES	Mat Type:	PETROLEUM
Virgin Waste:	VIRGIN	Contam Soil:	Not reported
Env Impact:	SOIL	Other Impact:	Not reported
Material:	DIESEL FUEL	Other Material:	Not reported
CAS No:	Not reported	PCB Lev (ppm):	NONE
Qty Reported:	11-50 GALLONS		
Qty Actual:	251-500 GALLONS		
Source:	A.S.T.	Other Source:	Not reported
Incident:	OVERFILL	Other Incdnt:	Not reported
Cleanup Type:	---	Contractor:	NOT USED
Referral:	SA	LUST Elig:	NO
Notifier:	CHIEF MCNAMARA		
Notif Tel:	Not reported		
Report Prep:	Not reported	Category:	Not reported
Days/Close:	612		

F22 **PETERSON OIL SERVICE** **SHWS** **S103249555**
SE **490 MILLBURY ST** **Release** **N/A**
1/8-1/4 **WORCESTER, MA**
806 ft.

Site 2 of 2 in cluster F

Relative:
Higher

Actual:
461 ft.

PETERSON OIL SERVICE (Continued) **S103249555**

SHWS:
Facility ID: 2-0012231
Site Status: Response Action Outcome Not Required
Source Type: DISPENSER
Release Town: WORCESTER
Notification Date : 05/26/98
Category : 72 HR
Associated ID : 2-0000930
Status Date : 04/27/00
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : Not reported
Action:
Date: 06/16/97
Type: Tier Classification
Status: LNKVTC
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/27/00
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/27/00
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 08/05/98
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 05/26/98
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: DIESEL FUEL
Amount: .5, inches
Location Type: COMMERCIAL
Source Type: DISPENSER
PIPING

PETERSON OIL SERVICE (Continued) **S103249555**

Facility ID: 2-0012231
Site Status: Response Action Outcome Not Required
Source Type: PIPING
Release Town: WORCESTER
Notification Date : 05/26/98
Category : 72 HR
Associated ID : 2-0000930
Status Date : 04/27/00
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : Not reported
Action:
Date: 06/16/97
Type: Tier Classification
Status: LNKVTC
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/27/00
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/27/00
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 08/05/98
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 05/26/98
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: DIESEL FUEL
Amount: .5, inches
Location Type: COMMERCIAL
Source Type: DISPENSER
PIPING

PETERSON OIL SERVICE (Continued) **S103249555**

MA RELEASE:
Facility ID: 2-0012231
Primary ID: 2-0000930
Facility Status: Response Action Outcome Not Required
Status Date: 04/27/00
Phase: Not reported
Notification: 05/26/98
Category: 72 HR
Official City: WORCESTER
Action:
Date: 06/16/97
Type: Tier Classification
Status: LNKVTC
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/27/00
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/27/00
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 08/05/98
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 05/26/98
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: DIESEL FUEL
Amount: .5, inches
Location Type: COMMERCIAL
Source Type: DISPENSER
PIPING
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Oil

23
WSW
1/8-1/4
858 ft.

LEYDEN DEVELOPMENT CORP
2 SHERMAN ST
WORCESTER, MA 01610

SHWS **S103042986**
Release **N/A**
INST CONTROL

Relative:
Higher

Actual:
459 ft.

SHWS:
Facility ID: 2-0012160
Site Status: Response Action Outcome
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 03/05/98
Category : 120 DY
Associated ID : -
Status Date : 05/13/98
Phase : PHASE II
Oil Or Haz Material : Oil and Hazardous Material
Response Action Outcome Class : A3
Action:
Date: 07/02/01
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Activity Use Limitaion: NOTICE
LSP Number: 9658
Action:
Date: 05/13/98
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9658
Action:
Date: 10/18/01
Type: Activity and Use Limitation
Status: Amendment Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9658
Action:
Date: 03/05/98
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 11, micrograms per kilogram
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 11, micrograms per kilogram
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 15, micrograms per kilogram
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: .79, micrograms per kilogram
Chemical Released:

LEYDEN DEVELOPMENT CORP (Continued) **S103042986**

Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 2.9, micrograms per kilogram
Chemical Released:
Chemical: BENZO(K)FLUORANTHENE
Amount: 7.9, micrograms per kilogram
Chemical Released:
Chemical: CHRYSENE
Amount: 13, micrograms per kilogram
Chemical Released:
Chemical: NAPHTHALENE
Amount: 15, micrograms per kilogram
Location Type: Not reported
Source Type: Not reported

MA INSTITUTIONAL CONTROL:
Release Tracking Number: 2-0012160
Description : AUL amended on 10/18/2001 received on 5/13/1998 AUL

MA RELEASE:
Facility ID: 2-0012160
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 05/13/98
Phase: PHASE II
Notification: 03/05/98
Category: 120 DY
Official City: WORCESTER
Action:
Date: 07/02/01
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Activity Use Limitaion: NOTICE
LSP Number: 9658
Action:
Date: 05/13/98
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9658
Action:
Date: 10/18/01
Type: Activity and Use Limitation
Status: Amendment Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9658
Action:
Date: 03/05/98
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:

LEYDEN DEVELOPMENT CORP (Continued) **S103042986**

Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 11, micrograms per kilogram
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 11, micrograms per kilogram
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 15, micrograms per kilogram
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: .79, micrograms per kilogram
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 2.9, micrograms per kilogram
Chemical Released:
Chemical: BENZO(K)FLUORANTHENE
Amount: 7.9, micrograms per kilogram
Chemical Released:
Chemical: CHRYSENE
Amount: 13, micrograms per kilogram
Chemical Released:
Chemical: NAPHTHALENE
Amount: 15, micrograms per kilogram
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : A3
Oil / Haz Material Type : Oil and Hazardous Material

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24 **MA HIGHWAY MANHOLE RELEASE** **SHWS** **S100830769**
SSE **510 MILLBURY ST** **Release** **N/A**
1/8-1/4 **WORCESTER, MA 01600**
967 ft.

Relative:
Higher

Actual:
461 ft.

SHWS:
Facility ID: 2-0015913
Site Status: Unclassified Waste Site
Source Type: UNKNOWN
Release Town: WORCESTER
Notification Date : 09/27/05
Category : TWO HR
Associated ID : -
Status Date : 09/27/05
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : Not reported
Action:
Date: 09/27/05
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: OIL
Amount: 75, gallons
Location Type: STATE
Source Type: UNKNOWN

MA HIGHWAY MANHOLE RELEASE (Continued) **S100830769**

Facility ID: 2-0000988
Site Status: Response Action Outcome
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 07/15/93
Category : NONE
Associated ID : -
Status Date : 03/15/04
Phase : PHASE III
Oil Or Haz Material : Oil
Response Action Outcome Class : A2
Action:
Date: 03/18/04
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 11/25/03
Type: Tier Classification
Status: PUBCOM
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/18/04
Type: Phase II
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/15/93
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/30/99
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: Not reported
Location Type: GASSTATION
Source Type: Not reported

MA HIGHWAY MANHOLE RELEASE (Continued) **S100830769**

MA RELEASE:
Facility ID: 2-0000988
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 03/15/04
Phase: PHASE III
Notification: 07/15/93
Category: NONE
Official City: WORCESTER
Action:
Date: 03/18/04
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 11/25/03
Type: Tier Classification
Status: PUBCOM
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/18/04
Type: Phase II
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/15/93
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/30/99
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: Not reported
Location Type: GASSTATION
Source Type: Not reported
Response Action Outcome Class : A2
Oil / Haz Material Type : Oil

MA HIGHWAY MANHOLE RELEASE (Continued) **S100830769**

Facility ID: 2-0015913
Primary ID: -
Facility Status: Unclassified Waste Site
Status Date: 09/27/05
Phase: Not reported
Notification: 09/27/05
Category: TWO HR
Official City: WORCESTER
Action:
Date: 09/27/05
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: OIL
Amount: 75, gallons
Location Type: STATE
Source Type: UNKNOWN
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Oil

G25 **NISSEN BAKING CO INC** **SHWS** **U002007772**
NNE **75 QUINSIGAMOND AVE** **Release** **N/A**
1/8-1/4 **WORCESTER, MA 01610** **UST**
1037 ft.

Site 1 of 4 in cluster G

Relative: Lower

Actual: 451 ft.

SHWS:
Facility ID: 2-0013307
Site Status: Response Action Outcome
Source Type: VEHICLE
Release Town: WORCESTER
Notification Date : 05/30/00
Category : TWO HR
Associated ID : -
Status Date : 07/28/00
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A2
Action:
Date: 07/28/00
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: 9197
Action:
Date: 07/28/00
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/28/00

NISSEN BAKING CO INC (Continued) **U002007772**

Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9197
Action:
Date: 06/07/00
Type: Immediate Response
Status: Oral Approval of a Modified Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9197
Action:
Date: 05/30/00
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: DIESEL FUEL
Amount: 70, gallons
Location Type: COMMERCIAL
Source Type: VEHICLE

MA RELEASE:
Facility ID: 2-0013307
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 07/28/00
Phase: Not reported
Notification: 05/30/00
Category: TWO HR
Official City: WORCESTER
Action:
Date: 07/28/00
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: 9197
Action:
Date: 07/28/00
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/28/00
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9197
Action:
Date: 06/07/00

NISSEN BAKING CO INC (Continued) **U002007772**

Type: Immediate Response
Status: Oral Approval of a Modified Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9197
Action:
Date: 05/30/00
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: DIESEL FUEL
Amount: 70, gallons
Location Type: COMMERCIAL
Source Type: VEHICLE
Response Action Outcome Class : A2
Oil / Haz Material Type : Oil

UST:
Facility ID: 18467
Tank ID: 1
Tank Status: Removed
Tank Useage: Not reported
Capacity: 5000
Owner: NISSEN BAKING CO INC
Owner Address: 75 QUISIGAMOND AVE
WORCESTER, MA 01610
Serial Number: Not reported
Aboveground: No
Contents: Diesel
Tank Material: Steel
Tank Contents: Not reported
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Description : Industrial
Fire Dept. ID : 27348
Financial Responsibility : Self Insured, Letter of Credit, Normal

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G26 **TRANSFORMER RELEASE** **SHWS** **S102084749**
NNE **75 QUINSIGAMOND AVE** **Release** **N/A**
1/8-1/4 **WORCESTER, MA 01610**
1037 ft.

Site 2 of 4 in cluster G

Relative:
Lower

Actual:
451 ft.

TRANSFORMER RELEASE (Continued) **S102084749**

SHWS:
Facility ID: 2-0011180
Site Status: Response Action Outcome
Source Type: TRANSFORM
Release Town: WORCESTER
Notification Date : 04/01/96
Category : TWO HR
Associated ID : -
Status Date : 05/29/96
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A1
Action:
Date: 05/29/96
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 6135
Action:
Date: 04/01/96
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Action:
Date: 04/01/96
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/01/96
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 05/29/96
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/01/96
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - OIL

TRANSFORMER RELEASE (Continued) **S102084749**

Amount: 75, gallons
Location Type: ROADWAY
Source Type: TRANSFORM

MA RELEASE:
Facility ID: 2-0011180
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 05/29/96
Phase: Not reported
Notification: 04/01/96
Category: TWO HR
Official City: WORCESTER
Action:
Date: 05/29/96
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 6135
Action:
Date: 04/01/96
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Action:
Date: 04/01/96
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/01/96
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 05/29/96
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/01/96
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - OIL

TRANSFORMER RELEASE (Continued) **S102084749**

Amount: 75, gallons
Location Type: ROADWAY
Source Type: TRANSFORM
Response Action Outcome Class : A1
Oil / Haz Material Type : Oil

G27 **A M CASTLE & CO INC** **UST** **U000226042**
NNE **70 QUINSIGAMOND AVE** **N/A**
1/8-1/4 **WORCESTER, MA 01610**
1043 ft.

Site 3 of 4 in cluster G

Relative:
Lower

Actual:
451 ft.

UST:

Facility ID:	18477
Tank ID:	1
Tank Status:	Removed
Tank Useage:	Not reported
Capacity:	8000
Owner:	A M CASTLE & CO INC
Owner Address:	340 N WOLF RD
	FRANKLIN PARK, IL 60131
Serial Number:	Not reported
Aboveground:	No
Contents:	Gasoline
Tank Material:	Steel
Tank Contents:	Not reported
Tank Leak Detection:	Not reported
Pipe Leak Detection:	Not reported
Description :	Other
Fire Dept. ID :	27348
Financial Responsibility :	Normal

Facility ID:	18477
Tank ID:	2
Tank Status:	Removed
Tank Useage:	Not reported
Capacity:	6000
Owner:	A M CASTLE & CO INC
Owner Address:	340 N WOLF RD
	FRANKLIN PARK, IL 60131
Serial Number:	Not reported
Aboveground:	No
Contents:	Diesel
Tank Material:	Steel
Tank Contents:	Not reported
Tank Leak Detection:	Not reported
Pipe Leak Detection:	Not reported
Description :	Other
Fire Dept. ID :	27348
Financial Responsibility :	Normal

G28
NNE
1/8-1/4
1043 ft.

CASTLE METALS
70 QUINSIGAMOND AVE
WORCESTER, MA 01600

SHWS **S100830752**
LUST **N/A**
Release

Site 4 of 4 in cluster G

Relative:
Lower

Actual:
451 ft.

SHWS:
Facility ID: 2-0000365
Site Status: **TIERII**
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 10/15/88
Category : NONE
Associated ID : -
Status Date : 11/29/05
Phase : PHASE II
Oil Or Haz Material : Not reported
Response Action Outcome Class : Not reported
Action:
Date: 11/29/05
Type: Tier Classification
Status: Tier 2 Classification
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/15/88
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 12/05/05
Type: Phase I
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: Not reported
Location Type: Not reported
Source Type: Not reported

LUST:
Facility ID: 2-0016003
Site Status: **Unclassified Waste Site**
Source Type: UST
Release Town: WORCESTER
Notification Date : 11/22/05
Category : TWO HR
Associated ID : -
Status Date : 11/22/05
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : Not reported
Action:
Date: 11/22/05
Type: Immediate Response

CASTLE METALS (Continued) **S100830752**

Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/22/05
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: FUEL OIL #2
Amount: 50, gallons
Location Type: INDUSTRIAL
Source Type: UST

MA RELEASE:
Facility ID: 2-0000365
Primary ID: -
Facility Status: TIERII
Status Date: 11/29/05
Phase: PHASE II
Notification: 10/15/88
Category: NONE
Official City: WORCESTER
Action:
Date: 11/29/05
Type: Tier Classification
Status: Tier 2 Classification
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/15/88
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 12/05/05
Type: Phase I
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: Not reported
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Not reported

CASTLE METALS (Continued) **S100830752**

Facility ID: 2-0016003
Primary ID: -
Facility Status: Unclassified Waste Site
Status Date: 11/22/05
Phase: Not reported
Notification: 11/22/05
Category: TWO HR
Official City: WORCESTER
Action:
Date: 11/22/05
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/22/05
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: FUEL OIL #2
Amount: 50, gallons
Location Type: INDUSTRIAL
Source Type: UST
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Oil

---

29 **MILLBURY ST SCHOOL** **SHWS** **S102555431**
NE **389 MILLBURY ST** **Release** **N/A**
1/8-1/4 **WORCESTER, MA 01607**
1052 ft.

Relative: Higher

Actual: 457 ft.

SHWS:
Facility ID: 2-0011601
Site Status: Response Action Outcome
Source Type: TANKER
Release Town: WORCESTER
Notification Date : 02/06/97
Category : TWO HR
Associated ID : -
Status Date : 04/11/97
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A1
Action:
Date: 04/11/97
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 1959
Action:
Date: 02/06/97
Type: Release

MILLBURY ST SCHOOL (Continued) **S102555431**

Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 02/06/97
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1959
Action:
Date: 04/04/97
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: FUEL OIL #2
Amount: 50, gallons
Location Type: MUNICIPAL
Source Type: TANKER

MA RELEASE:
Facility ID: 2-0011601
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 04/11/97
Phase: Not reported
Notification: 02/06/97
Category: TWO HR
Official City: WORCESTER
Action:
Date: 04/11/97
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 1959
Action:
Date: 02/06/97
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 02/06/97
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1959
Action:
Date: 04/04/97
Type: RNF

MILLBURY ST SCHOOL (Continued) **S102555431**

Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: FUEL OIL #2
Amount: 50, gallons
Location Type: MUNICIPAL
Source Type: TANKER
Response Action Outcome Class : A1
Oil / Haz Material Type : Oil

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30 West 1/8-1/4 1102 ft.
RONNIES AUTO BODY **RCRA-SQG** **1000315761**
16 SOUTH CAMBRIDGE ST **FINDS** **MAD980906606**
WORCESTER, MA 01610 **CT MANIFEST**

Relative: Higher

Actual: 459 ft.

RCRAInfo:
Owner: RONNIES AUTO BODY
EPA ID: MAD980906606

Contact: RONNIE STULTZ
(508) 754-7333

Classification: Conditionally Exempt Small Quantity Generator
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 06/16/1986
Actual Date Achieved Compliance: 06/16/1991

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 06/16/1986
Penalty Type: Not reported

There are 1 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19910616

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

CT MANIFEST:
Manifest ID: CTB0087268
TSDF EPA ID: CTD072138969
TSDF Telephone: Not reported
TSDF Name: ENVIRONMENTAL WASTE RESOURCES, INC.
TSDF Address: 130 FREIGHT STREET
WATERBURY, CT 06702
TSDF Country: USA
Transporter 1 EPA ID: VAD980831580
Trans. 1 Phone: Not reported
Trans. 1 Name: HAZCO INTERNATIONAL, INC.
Trans. 1 Address: Not reported
CT
Trans. 1 Country: USA
Transp. 1 date: 19870526

RONNIES AUTO BODY (Continued) **1000315761**

Transporter 2 EPA ID:	Not reported
Trans. 2 Phone:	Not reported
Trans. 2 Name:	Not reported
Trans. 2 Address:	Not reported
	CT
Trans. 2 Country:	USA
Transp. 2 date:	Not reported
Generator EPA ID:	MAD980906606
Gen. Facility Phone:	6177547333
Gen. Site Address:	Not reported
	Not reported
Gen. Site County:	Not reported
Special Handling:	Yes
Discrepancies:	No
Date Shipped:	19870526
Date Received:	19870527
Comments:	Not reported
Year:	1987
Last modified date:	20040427
Last modified by:	IG

Manifest ID:	MAC301519
TSDF EPA ID:	CTD072138969
TSDF Telephone:	Not reported
TSDF Name:	ENVIRONMENTAL WASTE RESOURCES, INC.
TSDF Address:	130 FREIGHT STREET
	WATERBURY, CT 06702
TSDF Country:	USA
Transporter 1 EPA ID:	VAD980831580
Trans. 1 Phone:	Not reported
Trans. 1 Name:	HAZCO INTERNATIONAL, INC.
Trans. 1 Address:	Not reported
	CT
Trans. 1 Country:	USA
Transp. 1 date:	19871117
Transporter 2 EPA ID:	Not reported
Trans. 2 Phone:	Not reported
Trans. 2 Name:	Not reported
Trans. 2 Address:	Not reported
	CT
Trans. 2 Country:	USA
Transp. 2 date:	Not reported
Generator EPA ID:	MAD980906606
Gen. Facility Phone:	6177547333
Gen. Site Address:	Not reported
	Not reported
Gen. Site County:	Not reported
Special Handling:	Yes
Discrepancies:	No
Date Shipped:	19871117
Date Received:	19871118
Comments:	Not reported
Year:	1987
Last modified date:	20040427
Last modified by:	IG

Manifest ID:	CTC0190087

RONNIES AUTO BODY (Continued) **1000315761**

TSDF EPA ID:	CTD072138969
TSDF Telephone:	Not reported
TSDF Name:	ENVIRONMENTAL WASTE RESOURCES, INC.
TSDF Address:	130 FREIGHT STREET
	WATERBURY, CT 06702
TSDF Country:	USA
Transporter 1 EPA ID:	VAD980831580
Trans. 1 Phone:	Not reported
Trans. 1 Name:	HAZCO INTERNATIONAL, INC. (TRANSPORTER)
Trans. 1 Address:	Not reported
	CT
Trans. 1 Country:	USA
Transp. 1 date:	19881122
Transporter 2 EPA ID:	Not reported
Trans. 2 Phone:	Not reported
Trans. 2 Name:	Not reported
Trans. 2 Address:	Not reported
	CT
Trans. 2 Country:	USA
Transp. 2 date:	Not reported
Generator EPA ID:	MAD980906606
Gen. Facility Phone:	6177547333
Gen. Site Address:	Not reported
	Not reported
Gen. Site County:	Not reported
Special Handling:	Yes
Discrepancies:	No
Date Shipped:	19881122
Date Received:	19881129
Comments:	Not reported
Year:	1988
Last modified date:	20040427
Last modified by:	IG

Manifest ID:	MAC300073
TSDF EPA ID:	CTD072138969
TSDF Telephone:	Not reported
TSDF Name:	ENVIRONMENTAL WASTE RESOURCES, INC.
TSDF Address:	130 FREIGHT STREET
	WATERBURY, CT 06702
TSDF Country:	USA
Transporter 1 EPA ID:	VAD980831580
Trans. 1 Phone:	Not reported
Trans. 1 Name:	HAZCO INTERNATIONAL, INC.
Trans. 1 Address:	Not reported
	CT
Trans. 1 Country:	USA
Transp. 1 date:	19880517
Transporter 2 EPA ID:	Not reported
Trans. 2 Phone:	Not reported
Trans. 2 Name:	Not reported
Trans. 2 Address:	Not reported
	CT
Trans. 2 Country:	USA
Transp. 2 date:	Not reported
Generator EPA ID:	MAD980906606
Gen. Facility Phone:	6177547333

RONNIES AUTO BODY (Continued) **1000315761**

Gen. Site Address:	Not reported
	Not reported
Gen. Site County:	Not reported
Special Handling:	Yes
Discrepancies:	No
Date Shipped:	19880517
Date Received:	19880520
Comments:	Not reported
Year:	1988
Last modified date:	20040427
Last modified by:	IG
Manifest ID:	MAC667894
TSDF EPA ID:	CTD072138969
TSDF Telephone:	Not reported
TSDF Name:	ENVIRONMENTAL WASTE RESOURCES, INC.
TSDF Address:	130 FREIGHT STREET
	WATERBURY, CT 06702
TSDF Country:	USA
Transporter 1 EPA ID:	ILD099202681
Trans. 1 Phone:	Not reported
Trans. 1 Name:	CHEMICAL WASTE MANAGEMENT, INC. (TRANSPORTER)
Trans. 1 Address:	Not reported
	CT
Trans. 1 Country:	USA
Transp. 1 date:	19890601
Transporter 2 EPA ID:	Not reported
Trans. 2 Phone:	Not reported
Trans. 2 Name:	Not reported
Trans. 2 Address:	Not reported
	CT
Trans. 2 Country:	USA
Transp. 2 date:	Not reported
Generator EPA ID:	MAD980906606
Gen. Facility Phone:	6177547333
Gen. Site Address:	Not reported
	Not reported
Gen. Site County:	Not reported
Special Handling:	Yes
Discrepancies:	No
Date Shipped:	19890601
Date Received:	19890605
Comments:	Not reported
Year:	1989
Last modified date:	20040427
Last modified by:	IG
Manifest ID:	MAC435236
TSDF EPA ID:	CTD072138969
TSDF Telephone:	Not reported
TSDF Name:	ENVIRONMENTAL WASTE RESOURCES, INC.
TSDF Address:	130 FREIGHT STREET
	WATERBURY, CT 06702
TSDF Country:	USA
Transporter 1 EPA ID:	ILD099202681
Trans. 1 Phone:	Not reported
Trans. 1 Name:	CHEMICAL WASTE MANAGEMENT, INC. (TRANSPORTER)

RONNIES AUTO BODY (Continued) **1000315761**

Trans. 1 Address:	Not reported
	CT
Trans. 1 Country:	USA
Transp. 1 date:	19900201
Transporter 2 EPA ID:	Not reported
Trans. 2 Phone:	Not reported
Trans. 2 Name:	Not reported
Trans. 2 Address:	Not reported
	CT
Trans. 2 Country:	USA
Transp. 2 date:	Not reported
Generator EPA ID:	MAD980906606
Gen. Facility Phone:	6177547333
Gen. Site Address:	Not reported
	Not reported
Gen. Site County:	Not reported
Special Handling:	Yes
Discrepancies:	No
Date Shipped:	19900201
Date Received:	19900205
Comments:	Not reported
Year:	1990
Last modified date:	20040427
Last modified by:	IG

H31 **ALUMINUM HARD CHROME CORP** **RCRA-SQG** **1000300249**
WNW **30 COLTON ST** **FINDS** **MAD046128930**
1/8-1/4 **WORCESTER, MA 01610**
1106 ft.

Site 1 of 3 in cluster H

Relative:
Higher

Actual:
459 ft.

RCRAInfo:

Owner:	ALUMINUM HARD CHROME CORP
EPA ID:	MAD046128930
Contact:	RONALD-A WHITAKER
	(508) 756-2494
Classification:	Small Quantity Generator
TSDF Activities:	Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

H32 **QUALATRON ELECTROPLATING INC** **RCRA-SQG** **1000277808**
WNW **27 WASHBURN ST** **FINDS** **MAD005957345**
1/8-1/4 **WORCESTER, MA 01610**
1123 ft.

Site 2 of 3 in cluster H

Relative:
Higher

Actual:
459 ft.

QUALATRON ELECTROPLATING INC (Continued) **1000277808**

RCRAInfo:
Contact: RON WHITTAKER
(508) 852-2880

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

H33 **HARD CHROME DIV** **RCRA-SQG** **1000182777**
WNW **26 COLTON ST** **FINDS** **MAD001134790**
1/8-1/4 **WORCESTER, MA 01610**
1129 ft.

Site 3 of 3 in cluster H

Relative:
Higher

Actual:
459 ft.

RCRAInfo:
Owner: HARD CHROME DIV
EPA ID: MAD001134790

Contact: RONALD-A WHITAKER
(508) 756-2494

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 01/01/1985
Actual Date Achieved Compliance: 02/04/1985

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 01/24/1985
Penalty Type: Not reported

There are 1 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Financial Record Review	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19850204

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

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34 **IRISH CAR CAR FORMER** **SHWS** **S103811276**
NE **350 MILLBURY ST** **Release** **N/A**
1/8-1/4 **WORCESTER, MA**
1247 ft.

Relative:
Higher

Actual:
457 ft.

IRISH CAR CAR FORMER (Continued) **S103811276**

SHWS:
Facility ID: 2-0012571
Site Status: Response Action Outcome
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 12/01/98
Category : 120 DY
Associated ID : -
Status Date : 01/30/04
Phase : PHASE III
Oil Or Haz Material : Hazardous Material
Response Action Outcome Class : B1
Action:
Date: 02/12/04
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 08/01/01
Type: Tier Classification
Status: Tier 2 Classification
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 2261
Action:
Date: 08/01/01
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 2261
Action:
Date: 01/30/04
Type: Phase II
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 2261
Action:
Date: 12/01/98
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: ARSENIC
Amount: 70, micrograms per kilogram
Location Type: Not reported
Source Type: Not reported

IRISH CAR CAR FORMER (Continued) **S103811276**

MA RELEASE:
Facility ID: 2-0012571
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 01/30/04
Phase: PHASE III
Notification: 12/01/98
Category: 120 DY
Official City: WORCESTER
Action:
Date: 02/12/04
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 08/01/01
Type: Tier Classification
Status: Tier 2 Classification
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 2261
Action:
Date: 08/01/01
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 2261
Action:
Date: 01/30/04
Type: Phase II
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 2261
Action:
Date: 12/01/98
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: ARSENIC
Amount: 70, micrograms per kilogram
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : B1
Oil / Haz Material Type : Hazardous Material

35
SE
1/8-1/4
1276 ft.

IRISH CLUB
562 572 MILLBURY ST
WORCESTER, MA 01610

SHWS
Release

S102687196
N/A

Relative:
Higher

Actual:
484 ft.

SHWS:
Facility ID: 2-0011296
Site Status: Response Action Outcome
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 06/28/96
Category : 120 DY
Associated ID : -
Status Date : 08/20/96
Phase : PHASE II
Oil Or Haz Material : Oil
Response Action Outcome Class : B1
Action:
Date: 08/20/96
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.
Activity Use Limitaion: NONE
LSP Number: 6039
Action:
Date: 08/20/96
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6039
Action:
Date: 06/28/96
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: TOTAL PETROLEUM HYDROCARBONS (TPH)
Amount: 550, micrograms per kilogram
Location Type: Not reported
Source Type: Not reported

MA RELEASE:
Facility ID: 2-0011296
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 08/20/96
Phase: PHASE II
Notification: 06/28/96
Category: 120 DY
Official City: WORCESTER
Action:
Date: 08/20/96
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

IRISH CLUB (Continued) **S102687196**

Activity Use Limitaion: NONE
LSP Number: 6039
Action:
Date: 08/20/96
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6039
Action:
Date: 06/28/96
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: TOTAL PETROLEUM HYDROCARBONS (TPH)
Amount: 550, micrograms per kilogram
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : B1
Oil / Haz Material Type : Oil

I36 **JEMS OF NEW ENGLAND** **LUST** **S104482153**
SSE **544 MILLBURY ST** **Release** **N/A**
1/8-1/4 **WORCESTER, MA 01607**
1312 ft.

Site 1 of 3 in cluster I

Relative:
Higher

Actual:
461 ft.

LUST:
Facility ID: 2-0012992
Site Status: **Response Action Outcome Not Required**
Source Type: UST
Release Town: WORCESTER
Notification Date : 10/20/99
Category : 72 HR
Associated ID : 2-0000986
Status Date : 11/08/03
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : Not reported
Action:
Date: 02/18/00
Type: Tier Classification
Status: LNKVIC
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/22/99
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/08/03
Type: Response Action Outcome Not Required

JEMS OF NEW ENGLAND (Continued) **S104482153**

Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 5895
Action:
Date: 02/18/00
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 5895
Action:
Date: 10/20/99
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 5895
Chemical Released:
Chemical: GASOLINE
Amount: 285, parts per million
Location Type: COMMERCIAL
Source Type: UST

MA RELEASE:
Facility ID: 2-0012992
Primary ID: 2-0000986
Facility Status: Response Action Outcome Not Required
Status Date: 11/08/03
Phase: Not reported
Notification: 10/20/99
Category: 72 HR
Official City: WORCESTER
Action:
Date: 02/18/00
Type: Tier Classification
Status: LNKVIC
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/22/99
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/08/03
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 5895
Action:
Date: 02/18/00
Type: Immediate Response
Status: Completion Statement Received

JEMS OF NEW ENGLAND (Continued) **S104482153**

Response Action Outcome:
Activity Use Limitaion:
LSP Number: 5895
Action:
Date: 10/20/99
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 5895
Chemical Released:
Chemical: GASOLINE
Amount: 285, parts per million
Location Type: COMMERCIAL
Source Type: UST
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Oil

I37 **MILLBURY STREET TEXACO** **SHWS** **S100537295**
SSE **544 MILLBURY ST** **Release** **N/A**
1/8-1/4 **WORCESTER, MA 01600**
1312 ft.

Site 2 of 3 in cluster I

Relative:
Higher

Actual:
461 ft.

SHWS:
Facility ID: 2-0000986
Site Status: TIER1C
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 07/15/93
Category : NONE
Associated ID : -
Status Date : 11/07/03
Phase : PHASE IV
Oil Or Haz Material : Not reported
Response Action Outcome Class : Not reported
Action:
Date: 02/18/00
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/10/05
Type: Phase IV
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9719
Action:
Date: 09/11/97
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/15/04

MILLBURY STREET TEXACO (Continued) **S100537295**

Type: Phase III
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/17/03
Type: Tier Classification
Status: PUBCOM
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/15/04
Type: Phase II
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/12/04
Type: Response Action Outcome
Status: Delay in Meeting RA Deadline Ordered or Approved
Response Action Outcome: A temporary solution, which ensures the elimination of any substantialhazard, has been achieved at the disposal site.
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/15/93
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/22/99
Type: Release Abatement Measure
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: Not reported
Location Type: COMMERCIAL
Source Type: Not reported

MA RELEASE:
Facility ID: 2-0000986
Primary ID: -
Facility Status: TIER1C
Status Date: 11/07/03
Phase: PHASE IV
Notification: 07/15/93
Category: NONE
Official City: WORCESTER
Action:
Date: 02/18/00

MILLBURY STREET TEXACO (Continued) **S100537295**

Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/10/05
Type: Phase IV
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9719
Action:
Date: 09/11/97
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/15/04
Type: Phase III
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/17/03
Type: Tier Classification
Status: PUBCOM
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/15/04
Type: Phase II
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/12/04
Type: Response Action Outcome
Status: Delay in Meeting RA Deadline Ordered or Approved
Response Action Outcome: A temporary solution, which ensures the elimination of any substantialhazard, has been achieved at the disposal site.
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/15/93
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/22/99

MILLBURY STREET TEXACO (Continued) **S100537295**

Type: Release Abatement Measure
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: Not reported
Location Type: COMMERCIAL
Source Type: Not reported
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Not reported

I38 **GETTY STATION #30688** **UST** **U001008211**
SSE **544 MILLBURY ST** **N/A**
1/8-1/4 **WORCESTER, MA 01607**
1316 ft.

Site 3 of 3 in cluster I

Relative:
Higher

Actual:
461 ft.

UST:
Facility ID: 18398
Tank ID: 1
Tank Status: Removed
Tank Useage: MV
Capacity: 8320
Owner: GETTY PETROLEUM MARKETING INC
Owner Address: DEXTER RD & MASSASOIT AVE
EAST PROVIDENCE, RI 02914
Serial Number: Not reported
Aboveground: No
Contents: Gasoline
Tank Material: Steel
Tank Contents: 1 Wall
Tank Leak Detection: Inventory Record-Keeping
Pipe Leak Detection: Not reported
Description : Gas Station
Fire Dept. ID : 27348
Financial Responsibility : State Fund, Normal

Facility ID: 18398
Tank ID: 2
Tank Status: Removed
Tank Useage: MV
Capacity: 4000
Owner: GETTY PETROLEUM MARKETING INC
Owner Address: DEXTER RD & MASSASOIT AVE
EAST PROVIDENCE, RI 02914
Serial Number: Not reported
Aboveground: No
Contents: Gasoline
Tank Material: Steel
Tank Contents: 1 Wall
Tank Leak Detection: Inventory Record-Keeping
Pipe Leak Detection: Product Line Leak Detector
Description : Gas Station
Fire Dept. ID : 27348
Financial Responsibility : State Fund, Normal

GETTY STATION #30688 (Continued) **U001008211**

Facility ID:	18398
Tank ID:	3
Tank Status:	Removed
Tank Useage:	MV
Capacity:	8320
Owner:	GETTY PETROLEUM MARKETING INC
Owner Address:	DEXTER RD & MASSASOIT AVE EAST PROVIDENCE, RI 02914
Serial Number:	Not reported
Aboveground:	No
Contents:	Gasoline
Tank Material:	Steel
Tank Contents:	1 Wall
Tank Leak Detection:	Inventory Record-Keeping
Pipe Leak Detection:	Not reported
Description :	Gas Station
Fire Dept. ID :	27348
Financial Responsibility :	State Fund, Normal

Facility ID:	18398
Tank ID:	4
Tank Status:	Removed
Tank Useage:	MV
Capacity:	4000
Owner:	GETTY PETROLEUM MARKETING INC
Owner Address:	DEXTER RD & MASSASOIT AVE EAST PROVIDENCE, RI 02914
Serial Number:	Not reported
Aboveground:	No
Contents:	Gasoline
Tank Material:	Steel
Tank Contents:	1 Wall
Tank Leak Detection:	Inventory Record-Keeping
Pipe Leak Detection:	Not reported
Description :	Gas Station
Fire Dept. ID :	27348
Financial Responsibility :	State Fund, Normal

Facility ID:	18398
Tank ID:	5
Tank Status:	Removed
Tank Useage:	MV
Capacity:	4000
Owner:	GETTY PETROLEUM MARKETING INC
Owner Address:	DEXTER RD & MASSASOIT AVE EAST PROVIDENCE, RI 02914
Serial Number:	Not reported
Aboveground:	No
Contents:	Gasoline
Tank Material:	Not reported
Tank Contents:	1 Wall
Tank Leak Detection:	Inventory Record-Keeping
Pipe Leak Detection:	Product Line Leak Detector
Description :	Gas Station
Fire Dept. ID :	27348
Financial Responsibility :	State Fund, Normal

GETTY STATION #30688 (Continued) **U001008211**

Facility ID:	18398
Tank ID:	6
Tank Status:	Removed
Tank Useage:	Not reported
Capacity:	550
Owner:	GETTY PETROLEUM MARKETING INC
Owner Address:	DEXTER RD & MASSASOIT AVE EAST PROVIDENCE, RI 02914
Serial Number:	Not reported
Aboveground:	No
Contents:	Fuel Oil
Tank Material:	Steel
Tank Contents:	1 Wall
Tank Leak Detection:	Inventory Record-Keeping
Pipe Leak Detection:	Not reported
Description :	Gas Station
Fire Dept. ID :	27348
Financial Responsibility :	State Fund, Normal

Facility ID:	18398
Tank ID:	7
Tank Status:	Removed
Tank Useage:	Not reported
Capacity:	1000
Owner:	GETTY PETROLEUM MARKETING INC
Owner Address:	DEXTER RD & MASSASOIT AVE EAST PROVIDENCE, RI 02914
Serial Number:	Not reported
Aboveground:	No
Contents:	Waste Oil
Tank Material:	Not reported
Tank Contents:	Not reported
Tank Leak Detection:	Not reported
Pipe Leak Detection:	Not reported
Description :	Gas Station
Fire Dept. ID :	27348
Financial Responsibility :	State Fund, Normal

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39 **WORC DPW COMBINED SEWER OVERFL** **SHWS** **S102403603**
North **60 QUINSIGAMOND AVE** **Release** **N/A**
1/4-1/2 **WORCESTER, MA 01610** **INST CONTROL**
1335 ft.

Relative:
Equal

Actual:
452 ft.

WORC DPW COMBINED SEWER OVERFL (Continued) **S102403603**

SHWS:
Facility ID: 2-0011322
Site Status: Response Action Outcome
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 06/19/96
Category : 120 DY
Associated ID : -
Status Date : 06/19/03
Phase : PHASE II
Oil Or Haz Material : Oil and Hazardous Material
Response Action Outcome Class : B2
Action:
Date: 07/01/03
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.
Activity Use Limitaion: NONE
LSP Number: 9451
Action:
Date: 02/03/05
Type: Activity and Use Limitation
Status: Level II - Audit Inspection
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 05/13/02
Type: Tier Classification
Status: Tier 2 Extension
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9451
Action:
Date: 11/16/01
Type: Phase II
Status: Scope of Work Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9451
Action:
Date: 06/19/96
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/25/97
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9451
Chemical Released:

WORC DPW COMBINED SEWER OVERFL (Continued) **S102403603**

Chemical: PHENANTHRENE
Amount: 1400, parts per billion
Chemical Released:
Chemical: ANTHRACENE
Amount: 450, parts per billion
Chemical Released:
Chemical: FLUORANTHENE
Amount: 2900, parts per billion
Chemical Released:
Chemical: PYRENE
Amount: 2500, parts per billion
Chemical Released:
Chemical: BENZ[A]ANTHRACENE
Amount: 1100, parts per billion
Chemical Released:
Chemical: CHRYSENE
Amount: 1100, parts per billion
Chemical Released:
Chemical: BENZ[E]ACEPHENANTHRYLENE
Amount: 1400, parts per billion
Chemical Released:
Chemical: BENZO(K)FLUORANTHENE
Amount: 530, parts per billion
Chemical Released:
Chemical: BENZO[A]PYRENE
Amount: 1300, parts per billion
Chemical Released:
Chemical: INDENO(1,2,3-CD)PYRENE
Amount: 750, parts per billion
Chemical Released:
Chemical: BENZO[G,H,I]PERYLENE
Amount: 940, parts per billion
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - OIL
Amount: Not reported
Location Type: MUNICIPAL
Source Type: Not reported

MA INSTITUTIONAL CONTROL:
Release Tracking Number: 2-0011322
Description : AUL received on 6/19/2003

MA RELEASE:
Facility ID: 2-0011322
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 06/19/03
Phase: PHASE II
Notification: 06/19/96
Category: 120 DY
Official City: WORCESTER
Action:
Date: 07/01/03
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

WORC DPW COMBINED SEWER OVERFL (Continued) **S102403603**

Activity Use Limitaion: NONE
LSP Number: 9451
Action:
Date: 02/03/05
Type: Activity and Use Limitation
Status: Level II - Audit Inspection
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 05/13/02
Type: Tier Classification
Status: Tier 2 Extension
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9451
Action:
Date: 11/16/01
Type: Phase II
Status: Scope of Work Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9451
Action:
Date: 06/19/96
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/25/97
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9451
Chemical Released:
Chemical: PHENANTHRENE
Amount: 1400, parts per billion
Chemical Released:
Chemical: ANTHRACENE
Amount: 450, parts per billion
Chemical Released:
Chemical: FLUORANTHENE
Amount: 2900, parts per billion
Chemical Released:
Chemical: PYRENE
Amount: 2500, parts per billion
Chemical Released:
Chemical: BENZ[A]ANTHRACENE
Amount: 1100, parts per billion
Chemical Released:
Chemical: CHRYSENE
Amount: 1100, parts per billion
Chemical Released:
Chemical: BENZ[E]ACEPHENANTHRYLENE

WORC DPW COMBINED SEWER OVERFL (Continued) **S102403603**

Amount: 1400, parts per billion
Chemical Released:
Chemical: BENZO(K)FLUORANTHENE
Amount: 530, parts per billion
Chemical Released:
Chemical: BENZO[A]PYRENE
Amount: 1300, parts per billion
Chemical Released:
Chemical: INDENO(1,2,3-CD)PYRENE
Amount: 750, parts per billion
Chemical Released:
Chemical: BENZO[G,H,I]PERYLENE
Amount: 940, parts per billion
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - OIL
Amount: Not reported
Location Type: MUNICIPAL
Source Type: Not reported
Response Action Outcome Class : B2
Oil / Haz Material Type : Oil and Hazardous Material

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40 **RILEY STOKER RESEARCH CTR** **SHWS** **S100830780**
WSW **45 MCKEON RD** **Release** **N/A**
1/4-1/2 **WORCESTER, MA 01600**
1405 ft.

Relative:
Higher

Actual:
464 ft.

SHWS:
Facility ID: 2-0000868
Site Status: Waiver Completion Statement, Permanent
Source Type: OFFSITE
Release Town: WORCESTER
Notification Date : 11/05/91
Category : NONE
Associated ID : -
Status Date : 10/18/94
Phase : Not reported
Oil Or Haz Material : Not reported
Response Action Outcome Class : Not reported
Action:
Date: 11/05/91
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 08/09/93
Type: Phase II
Status: Scope of Work Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: Not reported
Location Type: INDUSTRIAL
Source Type: OFFSITE
UNCONTAIN

RILEY STOKER RESEARCH CTR (Continued) **S100830780**

Facility ID: 2-0000868
Site Status: Waiver Completion Statement, Permanent
Source Type: UNCONTAIN
Release Town: WORCESTER
Notification Date : 11/05/91
Category : NONE
Associated ID : -
Status Date : 10/18/94
Phase : Not reported
Oil Or Haz Material : Not reported
Response Action Outcome Class : Not reported
Action:
Date: 11/05/91
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 08/09/93
Type: Phase II
Status: Scope of Work Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: Not reported
Location Type: INDUSTRIAL
Source Type: OFFSITE
UNCONTAIN

MA RELEASE:
Facility ID: 2-0000868
Primary ID: -
Facility Status: Waiver Completion Statement, Permanent
Status Date: 10/18/94
Phase: Not reported
Notification: 11/05/91
Category: NONE
Official City: WORCESTER
Action:
Date: 11/05/91
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 08/09/93
Type: Phase II
Status: Scope of Work Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE

RILEY STOKER RESEARCH CTR (Continued) **S100830780**

Amount: Not reported
Location Type: INDUSTRIAL
Source Type: OFFSITE
UNCONTAIN
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Not reported

41
WNW
1/4-1/2
1511 ft.

SOUTHBRIDGE STREET LLC PROPERT **SHWS** **S104774112**
523 531 SOUTHBRIDGE ST **Release** **N/A**
WORCESTER, MA 01610

Relative:
Higher

Actual:
460 ft.

SHWS:
Facility ID: 2-0013505
Site Status: Response Action Outcome
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 10/02/00
Category : 120 DY
Associated ID : -
Status Date : 03/09/04
Phase : PHASE IV
Oil Or Haz Material : Hazardous Material
Response Action Outcome Class : C
Action:
Date: 11/21/05
Type: Response Action Outcome
Status: Action Audited
Response Action Outcome: A temporary solution, which ensures the elimination of any substantialhazard, has been achieved at the disposal site.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 10/09/01
Type: Tier Classification
Status: Tier 2 Classification
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8107
Action:
Date: 10/02/00
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/09/04
Type: Phase III
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8107
Action:
Date: 10/09/01
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:

SOUTHBRIDGE STREET LLC PROPERT (Continued) **S104774112**

LSP Number: 8107
Action:
Date: 03/09/04
Type: Phase II
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8107
Chemical Released:
Chemical: CYANIDE
Amount: .13, micrograms per liter
Chemical Released:
Chemical: CADMIUM
Amount: .76, micrograms per liter
Location Type: Not reported
Source Type: Not reported

MA RELEASE:
Facility ID: 2-0013505
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 03/09/04
Phase: PHASE IV
Notification: 10/02/00
Category: 120 DY
Official City: WORCESTER
Action:
Date: 11/21/05
Type: Response Action Outcome
Status: Action Audited
Response Action Outcome: A temporary solution, which ensures the elimination of any substantialhazard, has been achieved at the disposal site.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 10/09/01
Type: Tier Classification
Status: Tier 2 Classification
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8107
Action:
Date: 10/02/00
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/09/04
Type: Phase III
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8107
Action:
Date: 10/09/01
Type: Phase I

SOUTHBRIDGE STREET LLC PROPERT (Continued) **S104774112**

Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8107
Action:
Date: 03/09/04
Type: Phase II
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8107
Chemical Released:
Chemical: CYANIDE
Amount: .13, micrograms per liter
Chemical Released:
Chemical: CADMIUM
Amount: .76, micrograms per liter
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : C
Oil / Haz Material Type : Hazardous Material

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42 **CARVILLE PROPERTY** **SHWS** **S102084822**
SE **574 578 MILLBURY ST** **Release** **N/A**
1/4-1/2 **WORCESTER, MA 01610**
1696 ft.

Relative:
Higher

Actual:
468 ft.

SHWS:
Facility ID: 2-0011295
Site Status: Response Action Outcome
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 06/24/96
Category : 120 DY
Associated ID : -
Status Date : 10/29/96
Phase : PHASE II
Oil Or Haz Material : Oil and Hazardous Material
Response Action Outcome Class : B2
Action:
Date: 04/28/00
Type: Response Action Outcome
Status: Action Audited
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.
Activity Use Limitaion: NOTICE
LSP Number: 6039
Action:
Date: 06/24/96
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/28/00
Type: Activity and Use Limitation
Status: Action Audited

CARVILLE PROPERTY (Continued) **S102084822**

Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/29/96
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6039
Chemical Released:
Chemical: LEAD
Amount: 650, micrograms per kilogram
Chemical Released:
Chemical: TOTAL PETROLEUM HYDROCARBONS (TPH)
Amount: 2200, micrograms per kilogram
Location Type: Not reported
Source Type: Not reported

MA RELEASE:
Facility ID: 2-0011295
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 10/29/96
Phase: PHASE II
Notification: 06/24/96
Category: 120 DY
Official City: WORCESTER
Action:
Date: 04/28/00
Type: Response Action Outcome
Status: Action Audited
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.
Activity Use Limitaion: NOTICE
LSP Number: 6039
Action:
Date: 06/24/96
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/28/00
Type: Activity and Use Limitation
Status: Action Audited
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/29/96
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6039

CARVILLE PROPERTY (Continued) **S102084822**

Chemical Released:
Chemical: LEAD
Amount: 650, micrograms per kilogram
Chemical Released:
Chemical: TOTAL PETROLEUM HYDROCARBONS (TPH)
Amount: 2200, micrograms per kilogram
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : B2
Oil / Haz Material Type : Oil and Hazardous Material

J43 **WIRE & METAL SEDERATION SYSTEMS** **SHWS** **U002007527**
WNW **542 SOUTHBRIDGE ST** **Release** **N/A**
1/4-1/2 **WORCESTER, MA 01613** **UST**
1766 ft.

Site 1 of 2 in cluster J

Relative: Higher

Actual: 460 ft.

SHWS:
Facility ID: 2-0012266
Site Status: Response Action Outcome
Source Type: SADDLE
Release Town: WORCESTER
Notification Date : 06/25/98
Category : TWO HR
Associated ID : -
Status Date : 08/28/98
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A2
Action:
Date: 08/28/98
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion:
LSP Number: 1959
Action:
Date: 08/24/98
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/25/98
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9763
Action:
Date: 06/25/98
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:

WIRE & METAL SEDERATION SYSTEMS (Continued) **U002007527**

Chemical: DIESEL FUEL
Amount: 50, gallons
Location Type: INDUSTRIAL
Source Type: SADDLE
TANKS

Facility ID: 2-0012266
Site Status: Response Action Outcome
Source Type: TANKS
Release Town: WORCESTER
Notification Date : 06/25/98
Category : TWO HR
Associated ID : -
Status Date : 08/28/98
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A2
Action:
Date: 08/28/98
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion:
LSP Number: 1959
Action:
Date: 08/24/98
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/25/98
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9763
Action:
Date: 06/25/98
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: DIESEL FUEL
Amount: 50, gallons
Location Type: INDUSTRIAL
Source Type: SADDLE
TANKS

WIRE & METAL SEDERATION SYSTEMS (Continued) **U002007527**

MA RELEASE:
Facility ID: 2-0012266
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 08/28/98
Phase: Not reported
Notification: 06/25/98
Category: TWO HR
Official City: WORCESTER
Action:
Date: 08/28/98
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion:
LSP Number: 1959
Action:
Date: 08/24/98
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/25/98
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9763
Action:
Date: 06/25/98
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: DIESEL FUEL
Amount: 50, gallons
Location Type: INDUSTRIAL
Source Type: SADDLE TANKS
Response Action Outcome Class : A2
Oil / Haz Material Type : Oil

WIRE & METAL SEDERATION SYSTEMS (Continued) **U002007527**

UST:

Facility ID:	18365
Tank ID:	1
Tank Status:	Removed
Tank Useage:	Not reported
Capacity:	10000
Owner:	WIRE & METAL SEDERATION SYSTEM
Owner Address:	542 SOUTHBRIDLE ST WORCESTER, MA 01613
Serial Number:	Not reported
Aboveground:	No
Contents:	Diesel
Tank Material:	Steel
Tank Contents:	Not reported
Tank Leak Detection:	Not reported
Pipe Leak Detection:	Not reported
Description :	Other
Fire Dept. ID :	27348
Financial Responsibility :	Normal

Facility ID:	18365
Tank ID:	2
Tank Status:	Removed
Tank Useage:	Not reported
Capacity:	10000
Owner:	WIRE & METAL SEDERATION SYSTEM
Owner Address:	542 SOUTHBRIDLE ST WORCESTER, MA 01613
Serial Number:	Not reported
Aboveground:	No
Contents:	Diesel
Tank Material:	Steel
Tank Contents:	Not reported
Tank Leak Detection:	Not reported
Pipe Leak Detection:	Not reported
Description :	Other
Fire Dept. ID :	27348
Financial Responsibility :	Normal

J44 **PAINT FIRE** **SHWS** **S102403580**
WNW **545 SOUTHBRIDGE ST** **Release** **N/A**
1/4-1/2 **WORCESTER, MA 01610**
1794 ft.

Site 2 of 2 in cluster J

Relative:
Higher

Actual:
460 ft.

PAINT FIRE (Continued) **S102403580**

SHWS:
Facility ID: 2-0011273
Site Status: Response Action Outcome
Source Type: PAINT CANS
Release Town: WORCESTER
Notification Date : 06/13/96
Category : TWO HR
Associated ID : -
Status Date : 10/16/96
Phase : Not reported
Oil Or Haz Material : Not reported
Response Action Outcome Class : A1
Action:
Date: 10/16/96
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 3266
Action:
Date: 06/13/96
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/16/96
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 5, gallons
Location Type: INDUSTRIAL
Source Type: PAINT CANS

MA RELEASE:
Facility ID: 2-0011273
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 10/16/96
Phase: Not reported
Notification: 06/13/96
Category: TWO HR
Official City: WORCESTER
Action:
Date: 10/16/96
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 3266

PAINT FIRE (Continued) **S102403580**

Action:
Date: 06/13/96
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/16/96
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 5, gallons
Location Type: INDUSTRIAL
Source Type: PAINT CANS
Response Action Outcome Class : A1
Oil / Haz Material Type : Not reported

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45 **MASS ELECTRIC CO UTILITY POLE** **SHWS** **S105596704**
NE **77 PERRY AVE** **Release** **N/A**
1/4-1/2 **WORCESTER, MA 01610**
1958 ft.

Relative:
Higher

Actual:
496 ft.

SHWS:
Facility ID: 2-0014477
Site Status: Response Action Outcome
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 09/19/02
Category : 120 DY
Associated ID : -
Status Date : 09/19/02
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A1
Action:
Date: 11/02/02
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 6176
Action:
Date: 09/19/02
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6176
Chemical Released:
Chemical: Not reported
Amount: Not reported
Location Type: Not reported
Source Type: Not reported

MASS ELECTRIC CO UTILITY POLE (Continued) **S105596704**

MA RELEASE:
Facility ID: 2-0014477
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 09/19/02
Phase: Not reported
Notification: 09/19/02
Category: 120 DY
Official City: WORCESTER
Action:
Date: 11/02/02
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 6176
Action:
Date: 09/19/02
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6176
Chemical Released:
Chemical: Not reported
Amount: Not reported
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : A1
Oil / Haz Material Type : Oil

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46 WORCESTER AUTO HEATING **SHWS S100363303**
NW 501 SOUTHBRIDGE ST **Release N/A**
1/4-1/2 WORCESTER, MA 01600
2004 ft.

Relative: Higher

Actual: 462 ft.

SHWS:
Facility ID: 2-0000192
Site Status: DEP No Further Action
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 09/19/85
Category : NONE
Associated ID : -
Status Date : 04/02/96
Phase : Not reported
Oil Or Haz Material : Not reported
Response Action Outcome Class : Not reported
Action:
Date: 09/19/85
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE

WORCESTER AUTO HEATING (Continued) **S100363303**

Amount: Not reported
Location Type: Not reported
Source Type: Not reported

MA RELEASE:
Facility ID: 2-0000192
Primary ID: -
Facility Status: DEP No Further Action
Status Date: 04/02/96
Phase: Not reported
Notification: 09/19/85
Category: NONE
Official City: WORCESTER
Action:
Date: 09/19/85
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: Not reported
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Not reported

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47 **COLLEGE SQ TEXACO** **SHWS** **S104847379**
WSW **719 SOUTHBRIDGE ST** **Release** **N/A**
1/4-1/2 **WORCESTER, MA 01610**
2070 ft.

Relative: Higher

Actual: 457 ft.

SHWS:
Facility ID: 2-0013618
Site Status: Response Action Outcome
Source Type: PUMP
Release Town: WORCESTER
Notification Date : 12/18/00
Category : TWO HR
Associated ID : -
Status Date : 02/16/01
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A1
Action:
Date: 02/16/01
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 6176
Action:
Date: 12/18/00
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:

COLLEGE SQ TEXACO (Continued) **S104847379**

LSP Number: 6176
Action:
Date: 02/16/01
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 12/18/00
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: GASOLINE
Amount: 20, gallons
Location Type: COMMERCIAL
Source Type: PUMP

Facility ID: 2-0015068
Site Status: Response Action Outcome
Source Type: PIPE
Release Town: WORCESTER
Notification Date : 01/05/04
Category : TWO HR
Associated ID : -
Status Date : 03/04/04
Phase : Not reported
Oil Or Haz Material : Not reported
Response Action Outcome Class : A1
Action:
Date: 03/16/04
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 03/04/04
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/05/04
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4141
Action:
Date: 03/16/04
Type: Immediate Response

COLLEGE SQ TEXACO (Continued) **S104847379**

Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4141
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 50, gallons
Location Type: COMMERCIAL
Source Type: PIPE

Facility ID: 2-0015942
Site Status: Response Action Outcome
Source Type: PIPE
Release Town: WORCESTER
Notification Date : 10/13/05
Category : TWO HR
Associated ID : -
Status Date : 12/08/05
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A1
Action:
Date: 12/30/05
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 10/13/05
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/13/05
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 12/08/05
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: GASOLINE
Amount: 25, gallons
Location Type: COMMERCIAL
Source Type: PIPE

COLLEGE SQ TEXACO (Continued) **S104847379**

MA RELEASE:
Facility ID: 2-0013618
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 02/16/01
Phase: Not reported
Notification: 12/18/00
Category: TWO HR
Official City: WORCESTER
Action:
Date: 02/16/01
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 6176
Action:
Date: 12/18/00
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6176
Action:
Date: 02/16/01
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 12/18/00
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: GASOLINE
Amount: 20, gallons
Location Type: COMMERCIAL
Source Type: PUMP
Response Action Outcome Class : A1
Oil / Haz Material Type : Oil

Facility ID: 2-0015068
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 03/04/04
Phase: Not reported
Notification: 01/05/04
Category: TWO HR
Official City: WORCESTER
Action:
Date: 03/16/04
Type: Response Action Outcome

COLLEGE SQ TEXACO (Continued) **S104847379**

Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 03/04/04
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/05/04
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4141
Action:
Date: 03/16/04
Type: Immediate Response
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4141
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 50, gallons
Location Type: COMMERCIAL
Source Type: PIPE
Response Action Outcome Class : A1
Oil / Haz Material Type : Not reported

Facility ID: 2-0015942
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 12/08/05
Phase: Not reported
Notification: 10/13/05
Category: TWO HR
Official City: WORCESTER
Action:
Date: 12/30/05
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 10/13/05
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported

COLLEGE SQ TEXACO (Continued) **S104847379**

Action:
Date: 10/13/05
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 12/08/05
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: GASOLINE
Amount: 25, gallons
Location Type: COMMERCIAL
Source Type: PIPE
Response Action Outcome Class : A1
Oil / Haz Material Type : Oil

K48 **IMMEDIATE PRIOR TO GRAFTON ST** **SHWS** **S103545435**
WSW **RTE 290W** **Release** **N/A**
1/4-1/2 **WORCESTER, MA 01610**
2083 ft.

Site 1 of 3 in cluster K

Relative: Higher

Actual: 468 ft.

SHWS:
Facility ID: 2-0010050
Site Status: **Response Action Outcome**
Source Type: VEHICLE
Release Town: WORCESTER
Notification Date : 10/21/93
Category : TWO HR
Associated ID : -
Status Date : 12/14/93
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A1
Action:
Date: 12/14/93
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/21/93
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/17/93
Type: RNF
Status: REPORT

IMMEDIATE PRIOR TO GRAFTON ST (Continued) **S103545435**

Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/21/93
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/21/93
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: 100, gallons
Chemical Released:
Chemical: DIESEL FUEL
Amount: 100, gallons
Chemical Released:
Chemical: DIESEL FUEL
Amount: 70, gallons
Location Type: ROADWAY
Source Type: FUELTANK
TT TRUCK
VEHICLE

Facility ID: 2-0010050
Site Status: **Response Action Outcome**
Source Type: FUELTANK
Release Town: WORCESTER
Notification Date : 10/21/93
Category : TWO HR
Associated ID : -
Status Date : 12/14/93
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A1
Action:
Date: 12/14/93
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/21/93
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported

IMMEDIATE PRIOR TO GRAFTON ST (Continued) **S103545435**

Action:
Date: 11/17/93
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/21/93
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/21/93
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: 100, gallons
Chemical Released:
Chemical: DIESEL FUEL
Amount: 100, gallons
Chemical Released:
Chemical: DIESEL FUEL
Amount: 70, gallons
Location Type: ROADWAY
Source Type: FUELTANK
TT TRUCK
VEHICLE

Facility ID: 2-0010050
Site Status: Response Action Outcome
Source Type: TT TRUCK
Release Town: WORCESTER
Notification Date : 10/21/93
Category : TWO HR
Associated ID : -
Status Date : 12/14/93
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A1
Action:
Date: 12/14/93
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/21/93
Type: Immediate Response

IMMEDIATE PRIOR TO GRAFTON ST (Continued) **S103545435**

Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/17/93
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/21/93
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/21/93
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: 100, gallons
Chemical Released:
Chemical: DIESEL FUEL
Amount: 100, gallons
Chemical Released:
Chemical: DIESEL FUEL
Amount: 70, gallons
Location Type: ROADWAY
Source Type: FUELTANK
TT TRUCK
VEHICLE

MA RELEASE:
Facility ID: 2-0010050
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 12/14/93
Phase: Not reported
Notification: 10/21/93
Category: TWO HR
Official City: WORCESTER
Action:
Date: 12/14/93
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/21/93

IMMEDIATE PRIOR TO GRAFTON ST (Continued) **S103545435**

Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/17/93
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/21/93
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/21/93
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: 100, gallons
Chemical Released:
Chemical: DIESEL FUEL
Amount: 100, gallons
Chemical Released:
Chemical: DIESEL FUEL
Amount: 70, gallons
Location Type: ROADWAY
Source Type: FUELTANK
TT TRUCK
VEHICLE
Response Action Outcome Class : A1
Oil / Haz Material Type : Oil

K49 **BRIDGE OVER LAKE QUINSIGAMOND** **SHWS** **S102687233**
WSW **RTE 290W** **Release** **N/A**
1/4-1/2 **WORCESTER, MA 01604**
2083 ft.

Site 2 of 3 in cluster K

Relative:
Higher

Actual:
468 ft.

BRIDGE OVER LAKE QUINSIGAMOND (Continued) **S102687233**

SHWS:
Facility ID: 2-0011872
Site Status: Response Action Outcome
Source Type: VEHICLE
Release Town: WORCESTER
Notification Date : 09/05/97
Category : TWO HR
Associated ID : -
Status Date : 11/05/97
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A1
Action:
Date: 11/05/97
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 8959
Action:
Date: 09/05/97
Type: Immediate Response Action - DEP Lead
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 09/05/97
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/04/97
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - OIL
Amount: 10, gallons
Location Type: ROADWAY
Source Type: VEHICLE

MA RELEASE:
Facility ID: 2-0011872
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 11/05/97
Phase: Not reported
Notification: 09/05/97
Category: TWO HR
Official City: WORCESTER
Action:

BRIDGE OVER LAKE QUINSIGAMOND (Continued) **S102687233**

Date: 11/05/97
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 8959
Action:
Date: 09/05/97
Type: Immediate Response Action - DEP Lead
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 09/05/97
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/04/97
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - OIL
Amount: 10, gallons
Location Type: ROADWAY
Source Type: VEHICLE
Response Action Outcome Class : A1
Oil / Haz Material Type : Oil

K50 **NEAR HOLY CROSS COLLEGE** **SHWS** **S103811166**
WSW **RTE 290W** **Release** **N/A**
1/4-1/2 **WORCESTER, MA 01610**
2083 ft.

Site 3 of 3 in cluster K

Relative: Higher

Actual: 468 ft.

SHWS:
Facility ID: 2-0011153
Site Status: Response Action Outcome
Source Type: PIPE
Release Town: WORCESTER
Notification Date : 03/08/96
Category : TWO HR
Associated ID : -
Status Date : 05/07/96
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A1
Action:
Date: 05/07/96
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to

NEAR HOLY CROSS COLLEGE (Continued) **S103811166**

background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 1662
Action:
Date: 03/08/96
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 05/07/96
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/08/96
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: DIESEL FUEL
Amount: 40, gallons
Location Type: ROADWAY
Source Type: PIPE
VEHICLE

Facility ID: 2-0011153
Site Status: **Response Action Outcome**
Source Type: VEHICLE
Release Town: WORCESTER
Notification Date : 03/08/96
Category : TWO HR
Associated ID : -
Status Date : 05/07/96
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A1
Action:
Date: 05/07/96
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 1662
Action:
Date: 03/08/96
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported

NEAR HOLY CROSS COLLEGE (Continued) **S103811166**

Action:
Date: 05/07/96
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/08/96
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: DIESEL FUEL
Amount: 40, gallons
Location Type: ROADWAY
Source Type: PIPE
VEHICLE

MA RELEASE:
Facility ID: 2-0011153
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 05/07/96
Phase: Not reported
Notification: 03/08/96
Category: TWO HR
Official City: WORCESTER
Action:
Date: 05/07/96
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 1662
Action:
Date: 03/08/96
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 05/07/96
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/08/96
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:

NEAR HOLY CROSS COLLEGE (Continued) **S103811166**

LSP Number: Not reported
Chemical Released:
Chemical: DIESEL FUEL
Amount: 40, gallons
Location Type: ROADWAY
Source Type: PIPE
VEHICLE
Response Action Outcome Class : A1
Oil / Haz Material Type : Oil

L51 **SHELDON PROPERTY** **SHWS** **S104482206**
NW **477 SOUTHBRIDGE ST** **Release** **N/A**
1/4-1/2 **WORCESTER, MA**
2124 ft.

Site 1 of 3 in cluster L

Relative: Higher

Actual: 462 ft.

SHWS:
Facility ID: 2-0013083
Site Status: **Response Action Outcome**
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 12/15/99
Category : 120 DY
Associated ID : -
Status Date : 12/15/99
Phase : Not reported
Oil Or Haz Material : Hazardous Material
Response Action Outcome Class : A2
Action:
Date: 12/15/99
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: 9119
Action:
Date: 12/15/99
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: BENZ[A]ANTHRACENE
Amount: 2900, parts per billion
Chemical Released:
Chemical: BENZO[A]PYRENE
Amount: 2300, parts per billion
Chemical Released:
Chemical: INDENO(1,2,3-CD)PYRENE
Amount: 1400, parts per billion
Chemical Released:
Chemical: BENZ[E]ACEPHENANTHRYLENE
Amount: 2700, parts per billion
Location Type: Not reported
Source Type: Not reported

SHELDON PROPERTY (Continued) **S104482206**

MA RELEASE:
Facility ID: 2-0013083
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 12/15/99
Phase: Not reported
Notification: 12/15/99
Category: 120 DY
Official City: WORCESTER
Action:
Date: 12/15/99
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: 9119
Action:
Date: 12/15/99
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: BENZ[A]ANTHRACENE
Amount: 2900, parts per billion
Chemical Released:
Chemical: BENZO[A]PYRENE
Amount: 2300, parts per billion
Chemical Released:
Chemical: INDENO(1,2,3-CD)PYRENE
Amount: 1400, parts per billion
Chemical Released:
Chemical: BENZ[E]ACEPHENANTHRYLENE
Amount: 2700, parts per billion
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : A2
Oil / Haz Material Type : Hazardous Material

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52 **BETWEEN SOUTHGATE & HAMMOND ST** **SHWS** **S102084359**
NNW **430 459 SOUTHBRIDGE ST** **Release** **N/A**
1/4-1/2 **WORCESTER, MA 01610** **INST CONTROL**
2128 ft.

Relative:
Higher

Actual:
462 ft.

BETWEEN SOUTHGATE & HAMMOND ST (Continued) **S102084359**

SHWS:
Facility ID: 2-0010640
Site Status: Response Action Outcome
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 01/11/95
Category : 120 DY
Associated ID : -
Status Date : 01/25/95
Phase : PHASE II
Oil Or Haz Material : Hazardous Material
Response Action Outcome Class : B2
Action:
Date: 12/27/04
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.
Activity Use Limitaion: NOTICE
LSP Number: Not reported
Action:
Date: 01/11/95
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6815
Action:
Date: 01/25/95
Type: Activity and Use Limitation
Status: Transmittal Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/25/95
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: ANTHRACENE
Amount: 5.4, micrograms per gallon
Chemical Released:
Chemical: BENZ[A]ANTHRACENE
Amount: 5.4, micrograms per gallon
Chemical Released:
Chemical: CHRYSENE
Amount: 4.7, micrograms per gallon
Location Type: Not reported
Source Type: Not reported

MA INSTITUTIONAL CONTROL:
Release Tracking Number: 2-0010640

BETWEEN SOUTHGATE & HAMMOND ST (Continued) **S102084359**

Description : AUL received on 1/25/1995

MA RELEASE:
Facility ID: 2-0010640
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 01/25/95
Phase: PHASE II
Notification: 01/11/95
Category: 120 DY
Official City: WORCESTER
Action:
Date: 12/27/04
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.
Activity Use Limitaion: NOTICE
LSP Number: Not reported
Action:
Date: 01/11/95
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6815
Action:
Date: 01/25/95
Type: Activity and Use Limitation
Status: Transmittal Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/25/95
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: ANTHRACENE
Amount: 5.4, micrograms per gallon
Chemical Released:
Chemical: BENZ[A]ANTHRACENE
Amount: 5.4, micrograms per gallon
Chemical Released:
Chemical: CHRYSENE
Amount: 4.7, micrograms per gallon
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : B2
Oil / Haz Material Type : Hazardous Material

L53
NW
1/4-1/2
2157 ft.

Relative:
Higher

Actual:
462 ft.

UNIVERSAL METAL CORP
471 SOUTHBRIDGE ST
WORCESTER, MA 01610

RCRA-SQG
SHWS
FINDS
Release

1000430976
MAD019749308

Site 2 of 3 in cluster L

RCRAInfo:
Contact: ARNOLD FREILICH
(508) 754-6841

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 12/20/1985
Actual Date Achieved Compliance: 10/28/1988

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 01/03/1986
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 12/20/1985
Actual Date Achieved Compliance: 10/28/1988

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 01/03/1986
Penalty Type: Not reported

There are 2 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19881028
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19881028

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

SHWS:
Facility ID: 2-0000278
Site Status: Pending No Further Action
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 03/31/87
Category : NONE
Associated ID : -
Status Date : 07/15/95
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : Not reported
Action:
Date: 03/31/87
Type: Release
Status: TCTRNS

UNIVERSAL METAL CORP (Continued) **1000430976**

Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: Not reported
Location Type: MANUFACT
Source Type: Not reported

MA RELEASE:
Facility ID: 2-0000278
Primary ID: -
Facility Status: Pending No Further Action
Status Date: 07/15/95
Phase: Not reported
Notification: 03/31/87
Category: NONE
Official City: WORCESTER
Action:
Date: 03/31/87
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: Not reported
Location Type: MANUFACT
Source Type: Not reported
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Oil

L54 **PROVIDENCE WORCESTER RAIL** **SHWS** **S100830779**
NW **460 SOUTHBRIDGE ST** **Release** **N/A**
1/4-1/2 **WORCESTER, MA 01600** **INST CONTROL**
2185 ft.

Site 3 of 3 in cluster L

Relative: Higher

Actual: 462 ft.

SHWS:
Facility ID: 2-0000622
Site Status: Response Action Outcome
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 04/15/89
Category : NONE
Associated ID : -
Status Date : 08/08/97
Phase : Not reported
Oil Or Haz Material : Not reported
Response Action Outcome Class : B2
Action:
Date: 08/09/02
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.
Activity Use Limitaion: NOTICE

PROVIDENCE WORCESTER RAIL (Continued) **S100830779**

LSP Number: Not reported
Action:
Date: 08/08/97
Type: Activity and Use Limitation
Status: Transmittal Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/15/89
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: Not reported
Location Type: Not reported
Source Type: Not reported

MA INSTITUTIONAL CONTROL:
Release Tracking Number: 2-0000622
Description : AUL received on 8/8/1997

MA RELEASE:
Facility ID: 2-0000622
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 08/08/97
Phase: Not reported
Notification: 04/15/89
Category: NONE
Official City: WORCESTER
Action:
Date: 08/09/02
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.
Activity Use Limitaion: NOTICE
LSP Number: Not reported
Action:
Date: 08/08/97
Type: Activity and Use Limitation
Status: Transmittal Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/15/89
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:

PROVIDENCE WORCESTER RAIL (Continued) **S100830779**

Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: Not reported
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : B2
Oil / Haz Material Type : Not reported

M55 **N F SHELDON INC** **SHWS** **S104774064**
NW **3 CONGDON ST** **Release** **N/A**
1/4-1/2 **WORCESTER, MA 01610**
2203 ft.

Site 1 of 2 in cluster M

Relative: Higher

Actual: 465 ft.

SHWS:
Facility ID: 2-0013419
Site Status: Response Action Outcome
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 08/08/00
Category : 120 DY
Associated ID : -
Status Date : 12/11/00
Phase : Not reported
Oil Or Haz Material : Hazardous Material
Response Action Outcome Class : B1
Action:
Date: 12/11/00
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.
Activity Use Limitaion: NONE
LSP Number: 1217
Action:
Date: 08/08/00
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: ARSENIC
Amount: 35.7, micrograms per kilogram
Chemical Released:
Chemical: LEAD
Amount: 503, micrograms per kilogram
Location Type: Not reported
Source Type: Not reported

MA RELEASE:
Facility ID: 2-0013419
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 12/11/00
Phase: Not reported
Notification: 08/08/00
Category: 120 DY
Official City: WORCESTER
Action:

N F SHELDON INC (Continued) **S104774064**

Date: 12/11/00
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.
Activity Use Limitaion: NONE
LSP Number: 1217
Action:
Date: 08/08/00
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: ARSENIC
Amount: 35.7, micrograms per kilogram
Chemical Released:
Chemical: LEAD
Amount: 503, micrograms per kilogram
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : B1
Oil / Haz Material Type : Hazardous Material

N56 **WARREN OIL CO** **SHWS** **1003862349**
NW **459 SOUTHBRIDGE ST** **LUST** **MAD980909105**
1/4-1/2 **WORCESTER, MA 01601** **Release**
2221 ft. **CERC-NFRAP**
Site 1 of 4 in cluster N **INST CONTROL**

Relative: Higher

Actual: 462 ft.

CERCLIS-NFRAP Classification Data:
Federal Facility: Not a Federal Facility
Non NPL Code: NFRAP
NPL Status: Not on the NPL
CERCLIS-NFRAP Assessment History:
Assessment: DISCOVERY Completed: 05/11/1990
Assessment: PRELIMINARY ASSESSMENT Completed: 09/22/1991
Assessment: SITE INSPECTION Completed: 12/13/1993
Assessment: ARCHIVE SITE Completed: 12/13/1993
CERCLIS-NFRAP Alias Name(s):
HARRIS OIL

SHWS:
Facility ID: 2-0000190
Site Status: Response Action Outcome
Source Type: UNCONTAIN
Release Town: WORCESTER
Notification Date : 01/15/87
Category : NONE
Associated ID : -
Status Date : 01/29/98
Phase : Not reported
Oil Or Haz Material : Hazardous Material
Response Action Outcome Class : Not reported
Action:
Date: 01/15/87
Type: Release
Status: TCTRNS

WARREN OIL CO (Continued) **1003862349**

Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/14/02
Type: Activity and Use Limitation
Status: Level II - Audit Inspection
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: LEAD
Amount: Not reported
Location Type: COMMERCIAL
Source Type: UNCONTAIN
UST

LUST:
Facility ID: 2-0000190
Site Status: Response Action Outcome
Source Type: UST
Release Town: WORCESTER
Notification Date : 01/15/87
Category : NONE
Associated ID : -
Status Date : 01/29/98
Phase : Not reported
Oil Or Haz Material : Hazardous Material
Response Action Outcome Class : Not reported
Action:
Date: 01/15/87
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/14/02
Type: Activity and Use Limitation
Status: Level II - Audit Inspection
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: LEAD
Amount: Not reported
Location Type: COMMERCIAL
Source Type: UNCONTAIN
UST

MA INSTITUTIONAL CONTROL:
Release Tracking Number: 2-0000190
Description : AUL received on 11/14/1997

WARREN OIL CO (Continued) **1003862349**

MA RELEASE:
Facility ID: 2-0000190
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 01/29/98
Phase: Not reported
Notification: 01/15/87
Category: NONE
Official City: WORCESTER
Action:
Date: 01/15/87
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/14/02
Type: Activity and Use Limitation
Status: Level II - Audit Inspection
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: LEAD
Amount: Not reported
Location Type: COMMERCIAL
Source Type: UNCONTAIN
UST
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Hazardous Material

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57 **GRANITE REALTY TRUST** **SHWS** **S100830764**
North **1 ENDICOTT ST** **Release** **N/A**
1/4-1/2 **WORCESTER, MA 01600**
2231 ft.

Relative:
Equal

Actual:
452 ft.

SHWS:
Facility ID: 2-0000379
Site Status: TIERII
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 10/15/88
Category : NONE
Associated ID : -
Status Date : 06/30/04
Phase : PHASE II
Oil Or Haz Material : Not reported
Response Action Outcome Class : Not reported
Action:
Date: 10/15/88
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/23/04

GRANITE REALTY TRUST (Continued) **S100830764**

Type: Phase I
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8435
Action:
Date: 07/23/04
Type: Tier Classification
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8435
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: Not reported
Location Type: Not reported
Source Type: Not reported

MA RELEASE:
Facility ID: 2-0000379
Primary ID: -
Facility Status: TIERII
Status Date: 06/30/04
Phase: PHASE II
Notification: 10/15/88
Category: NONE
Official City: WORCESTER
Action:
Date: 10/15/88
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/23/04
Type: Phase I
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8435
Action:
Date: 07/23/04
Type: Tier Classification
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8435
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: Not reported
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Not reported

N58
NW
1/4-1/2
2242 ft.

Relative:
Higher

Actual:
462 ft.

CALLAHAN INC
455 SOUTHBRIDGE ST
WORCESTER, MA 01600

Site 2 of 4 in cluster N

SHWS
Release

S100363262
N/A

SHWS:
Facility ID: 2-0000581
Site Status: DEPNDS
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 04/15/89
Category : NONE
Associated ID : -
Status Date : 04/19/94
Phase : Not reported
Oil Or Haz Material : Not reported
Response Action Outcome Class : Not reported
Action:
Date: 04/15/89
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: Not reported
Location Type: Not reported
Source Type: Not reported

MA RELEASE:
Facility ID: 2-0000581
Primary ID: -
Facility Status: DEPNDS
Status Date: 04/19/94
Phase: Not reported
Notification: 04/15/89
Category: NONE
Official City: WORCESTER
Action:
Date: 04/15/89
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: Not reported
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Not reported

N59
NW
1/4-1/2
2254 ft.

Relative:
Higher

Actual:
462 ft.

INTRANSIT CONTAINER INC — **SHWS** — **S105596246**
448 SOUTHBRIDGE ST — **Release** — **N/A**
WORCESTER, MA 01607

Site 3 of 4 in cluster N

SHWS:
Facility ID: 2-0014274
Site Status: Response Action Outcome
Source Type: VEHICLE
Release Town: WORCESTER
Notification Date : 04/17/02
Category : TWO HR
Associated ID : -
Status Date : 06/18/02
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A1
Action:
Date: 06/18/02
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 5121
Action:
Date: 06/18/02
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/17/02
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/17/02
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: DIESEL FUEL
Amount: 70, gallons
Location Type: COMMERCIAL
Source Type: VEHICLE

INTRANSIT CONTAINER INC (Continued) **S105596246**

MA RELEASE:
Facility ID: 2-0014274
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 06/18/02
Phase: Not reported
Notification: 04/17/02
Category: TWO HR
Official City: WORCESTER
Action:
Date: 06/18/02
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 5121
Action:
Date: 06/18/02
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/17/02
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/17/02
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: DIESEL FUEL
Amount: 70, gallons
Location Type: COMMERCIAL
Source Type: VEHICLE
Response Action Outcome Class : A1
Oil / Haz Material Type : Oil

N60 **ILLEGALLY STORED DRUMS** **SHWS** **S101043560**
NW **448 SOUTHBRIDGE ST.** **Release** **N/A**
1/4-1/2 **WORCESTER, MA 01610** **MA Spills**
2254 ft.

Site 4 of 4 in cluster N

Relative:
Higher

Actual:
462 ft.

ILLEGALLY STORED DRUMS (Continued) **S101043560**

SHWS:
Facility ID: 2-0011984
Site Status: Response Action Outcome
Source Type: PIPE
Release Town: WORCESTER
Notification Date : 11/19/97
Category : TWO HR
Associated ID : 2-0000622
Status Date : 03/12/98
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A1
Action:
Date: 03/12/98
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion:
LSP Number: 4128
Action:
Date: 11/19/97
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4128
Action:
Date: 03/12/98
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4128
Action:
Date: 11/19/97
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/20/98
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: DIESEL FUEL
Amount: 100, gallons
Location Type: COMMERCIAL
OPENSPACE
Source Type: PIPE
VEHICLE

ILLEGALLY STORED DRUMS (Continued) **S101043560**

Facility ID: 2-0011984
Site Status: Response Action Outcome
Source Type: VEHICLE
Release Town: WORCESTER
Notification Date : 11/19/97
Category : TWO HR
Associated ID : 2-0000622
Status Date : 03/12/98
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A1
Action:
Date: 03/12/98
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion:
LSP Number: 4128
Action:
Date: 11/19/97
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4128
Action:
Date: 03/12/98
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4128
Action:
Date: 11/19/97
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/20/98
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: DIESEL FUEL
Amount: 100, gallons
Location Type: COMMERCIAL
OPENSPACE
Source Type: PIPE
VEHICLE

ILLEGALLY STORED DRUMS (Continued) **S101043560**

MA RELEASE:
Facility ID: 2-0011984
Primary ID: 2-0000622
Facility Status: Response Action Outcome
Status Date: 03/12/98
Phase: Not reported
Notification: 11/19/97
Category: TWO HR
Official City: WORCESTER
Action:
Date: 03/12/98
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion:
LSP Number: 4128
Action:
Date: 11/19/97
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4128
Action:
Date: 03/12/98
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4128
Action:
Date: 11/19/97
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/20/98
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: DIESEL FUEL
Amount: 100, gallons
Location Type: COMMERCIAL
OPENSPACE
Source Type: PIPE
VEHICLE
Response Action Outcome Class : A1
Oil / Haz Material Type : Oil

MA Spills:
Facility ID: 0000 Spill ID: C92-0397

ILLEGALLY STORED DRUMS (Continued) **S101043560**

Staff Lead:	PHILLIPS, B	Date Entered:	Not reported
Last Entered:	08/12/1992	First Response:	08/12/1992
Spill Date:	08/12/1992	Report Date:	08/12/1992
Spill Time:	Not reported	Report Time:	12:15PM
Case Closed:	YES	Mat Type:	PETROLEUM
Virgin Waste:	WASTE	Contam Soil:	Not reported
Env Impact:	SOIL	Other Impact:	Not reported
Material:	OTHER MATERIAL -->	Other Material:	MOTOR OIL & HYDRAULIC FLD
CAS No:	Not reported	PCB Lev (ppm):	----------
Qty Reported:	1-10 DRUMS		
Qty Actual:	UNKNOWN DRUMS		
Source:	DRUM	Other Source:	Not reported
Incident:	LEAK	Other Incdnt:	Not reported
Cleanup Type:	---	Contractor:	NOT USED
Referral:	HW	LUST Elig:	NO
Notifier:	JOHN O'GRADEY, (508) 757-		
Notif Tel:	Not reported		
Report Prep:	Not reported	Category:	Not reported
Days/Close:	1		

M61 **SWIP PARCEL 10A** **SHWS S104562416**
NW **17 SOUTHGATE PL** **Release N/A**
1/4-1/2 **WORCESTER, MA 01610**
2294 ft.

Site 2 of 2 in cluster M

Relative:
Higher

Actual:
465 ft.

SHWS:

Facility ID:	2-0013359
Site Status:	**TIER1D**
Source Type:	Not reported
Release Town:	WORCESTER
Notification Date :	07/10/00
Category :	120 DY
Associated ID :	-
Status Date :	07/17/01
Phase :	Not reported
Oil Or Haz Material :	Not reported
Response Action Outcome Class :	Not reported

Action:

Date:	07/10/00
Type:	RNF
Status:	REPORT
Response Action Outcome:	
Activity Use Limitaion:	
LSP Number:	Not reported

Chemical Released:

Chemical:	UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount:	3600, micrograms per kilogram
Location Type:	Not reported
Source Type:	Not reported

MA RELEASE:

Facility ID:	2-0013359
Primary ID:	-
Facility Status:	**TIER1D**
Status Date:	07/17/01
Phase:	Not reported
Notification:	07/10/00
Category:	120 DY

SWIP PARCEL 10A (Continued) **S104562416**

Official City: WORCESTER
Action:
Date: 07/10/00
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 3600, micrograms per kilogram
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Not reported

62
NNW
1/4-1/2
2456 ft.

ROADWAY RELEASE **SHWS** **S104774070**
SOUTHBRIDGE ST **Release** **N/A**
WORCESTER, MA

Relative:
Higher

Actual:
461 ft.

SHWS:
Facility ID: 2-0013436
Site Status: Response Action Outcome
Source Type: VEHICLE
Release Town: WORCESTER
Notification Date : 08/16/00
Category : TWO HR
Associated ID : -
Status Date : 08/16/01
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A1
Action:
Date: 08/17/01
Type: Response Action Outcome
Status: Fee Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 7022
Action:
Date: 08/16/01
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 08/16/00
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 08/16/00
Type: Immediate Response Action - DEP Lead
Status: Work Started

ROADWAY RELEASE (Continued) **S104774070**

Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: DIESEL FUEL
Amount: 50, gallons
Location Type: ROADWAY
Source Type: VEHICLE

MA RELEASE:
Facility ID: 2-0013436
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 08/16/01
Phase: Not reported
Notification: 08/16/00
Category: TWO HR
Official City: WORCESTER
Action:
Date: 08/17/01
Type: Response Action Outcome
Status: Fee Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 7022
Action:
Date: 08/16/01
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 08/16/00
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 08/16/00
Type: Immediate Response Action - DEP Lead
Status: Work Started
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: DIESEL FUEL
Amount: 50, gallons
Location Type: ROADWAY
Source Type: VEHICLE
Response Action Outcome Class : A1
Oil / Haz Material Type : Oil

O63 **COMMONWEALTH GAS CO** **Manufactured Gas Plants** **1008408501**
North **25-30 QUINSIGAMOND AVE** **N/A**
1/4-1/2 **WORCESTER, MA 01608**
2483 ft.

Site 1 of 3 in cluster O

Relative:
Higher

Alternate Name: WORCESTER GAS LIGHT CO.

Actual:
453 ft.

O64 **COMMONWEALTH GAS PROPERTY** **CERC-NFRAP** **1003862732**
North **25-30 QUINSIGAMOND AVENUE** **MAD985272319**
1/4-1/2 **WORCESTER, MA 01608**
2483 ft.

Site 2 of 3 in cluster O

Relative:
Higher

CERCLIS-NFRAP Classification Data:
Federal Facility: Not a Federal Facility

Actual:
453 ft.

Non NPL Code: NFRAP
NPL Status: Not on the NPL
CERCLIS-NFRAP Assessment History:

Assessment:	DISCOVERY	Completed:	08/16/1988
Assessment:	PRELIMINARY ASSESSMENT	Completed:	09/29/1988
Assessment:	SITE INSPECTION	Completed:	12/30/1988
Assessment:	ARCHIVE SITE	Completed:	10/09/1998

CERCLIS-NFRAP Alias Name(s):
COMMONWEALTH GAS PROPERTY

O65 **COMGAS** **LUST** **U003000058**
North **25 QUINSIGAMOND AVE** **Release** **N/A**
1/4-1/2 **WORCESTER, MA 01605** **UST**
2483 ft.

Site 3 of 3 in cluster O

Relative:
Higher

LUST:
Facility ID: 2-0010426

Actual:
453 ft.

Site Status: **Response Action Outcome**
Source Type: UST
Release Town: WORCESTER
Notification Date : 08/16/94
Category : 72 HR
Associated ID : -
Status Date : 08/21/95
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A2
Action:
Date: 01/03/96
Type: Response Action Outcome
Status: Revised Statement or Transmittal Received
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 08/16/94
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported

COMGAS (Continued) **U003000058**

Action:
Date: 10/17/94
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 7262
Action:
Date: 08/18/94
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: GASOLINE
Amount: 117, parts per million
Chemical Released:
Chemical: GASOLINE
Amount: 117, parts per million
Location Type: COMMERCIAL
Source Type: UST

MA RELEASE:
Facility ID: 2-0010426
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 08/21/95
Phase: Not reported
Notification: 08/16/94
Category: 72 HR
Official City: WORCESTER
Action:
Date: 01/03/96
Type: Response Action Outcome
Status: Revised Statement or Transmittal Received
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 08/16/94
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/17/94
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 7262
Action:
Date: 08/18/94
Type: RNF
Status: REPORT

COMGAS (Continued) **U003000058**

Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: GASOLINE
Amount: 117, parts per million
Chemical Released:
Chemical: GASOLINE
Amount: 117, parts per million
Location Type: COMMERCIAL
Source Type: UST
Response Action Outcome Class : A2
Oil / Haz Material Type : Oil

UST:
Facility ID: 40137
Tank ID: 1
Tank Status: Removed
Tank Useage: Not reported
Capacity: 10000
Owner: NSTAR
Owner Address: 800 BOYLSTON ST
BOSTON, MA 02199
Serial Number: Not reported
Aboveground: No
Contents: Gasoline
Tank Material: Steel
Tank Contents: Not reported
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Description : Utilities
Fire Dept. ID : 27348
Financial Responsibility : Self Insured, Normal

Facility ID: 40137
Tank ID: 2
Tank Status: Removed
Tank Useage: Not reported
Capacity: 5000
Owner: NSTAR
Owner Address: 800 BOYLSTON ST
BOSTON, MA 02199
Serial Number: Not reported
Aboveground: No
Contents: Diesel
Tank Material: Steel
Tank Contents: Not reported
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Description : Utilities
Fire Dept. ID : 27348
Financial Responsibility : Self Insured, Normal

COMGAS (Continued) **U003000058**

Facility ID:	40137
Tank ID:	3
Tank Status:	Removed
Tank Useage:	MV
Capacity:	10000
Owner:	NSTAR
Owner Address:	800 BOYLSTON ST BOSTON, MA 02199
Serial Number:	DUAL 7K/3K
Aboveground:	No
Contents:	Gasoline/D
Tank Material:	Cathodic
Tank Contents:	2 Walls
Tank Leak Detection:	Interstitial Monitoring
Pipe Leak Detection:	Suction: Check Valve at Tank w/ Interstitial Monitor
Description :	Utilities
Fire Dept. ID :	27348
Financial Responsibility :	Self Insured, Normal

66 **FROST INC.** **SHWS** **S101026004**
WNW **35 ARMORY ST.** **Release** **N/A**
1/4-1/2 **WORCESTER, MA 01603** **MA Spills**
2589 ft.

Relative:
Higher

Actual:
467 ft.

SHWS:

Facility ID:	2-0013708
Site Status:	**Response Action Outcome**
Source Type:	Not reported
Release Town:	WORCESTER
Notification Date :	02/16/01
Category :	120 DY
Associated ID :	-
Status Date :	07/20/05
Phase :	PHASE III
Oil Or Haz Material :	Oil and Hazardous Material
Response Action Outcome Class :	B1

Action:

Date:	08/17/05
Type:	Response Action Outcome
Status:	Level I - Technical Screen Audit
Response Action Outcome:	Remedial actions have not been conducted because a level of No Significant Risk exists.
Activity Use Limitaion:	NONE
LSP Number:	Not reported

Action:

Date:	08/26/02
Type:	Phase I
Status:	Completion Statement Received
Response Action Outcome:	
Activity Use Limitaion:	
LSP Number:	1970

Action:

Date:	05/25/01
Type:	Immediate Response
Status:	Imminent Hazard Evaluation Received
Response Action Outcome:	
Activity Use Limitaion:	
LSP Number:	7022

FROST INC. (Continued) **S101026004**

Action:
Date: 02/16/01
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/09/04
Type: Tier Classification
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1970
Action:
Date: 08/17/05
Type: Phase II
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: TOTAL PETROLEUM HYDROCARBONS (TPH)
Amount: 200, micrograms per kilogram
Chemical Released:
Chemical: ARSENIC
Amount: 59, micrograms per kilogram
Location Type: Not reported
Source Type: Not reported

Facility ID: 2-0015572
Site Status: Unclassified Waste Site
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 01/20/05
Category : 120 DY
Associated ID : -
Status Date : 01/20/05
Phase : Not reported
Oil Or Haz Material : Not reported
Response Action Outcome Class : Not reported
Action:
Date: 01/20/05
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/25/05
Type: Immediate Response
Status: Imminent Hazard Evaluation Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9350
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE

FROST INC. (Continued) **S101026004**

Amount: 95.7, parts per million
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 4.82, parts per million
Location Type: Not reported
Source Type: Not reported

MA RELEASE:
Facility ID: 2-0013708
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 07/20/05
Phase: PHASE III
Notification: 02/16/01
Category: 120 DY
Official City: WORCESTER
Action:
Date: 08/17/05
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 08/26/02
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1970
Action:
Date: 05/25/01
Type: Immediate Response
Status: Imminent Hazard Evaluation Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 7022
Action:
Date: 02/16/01
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/09/04
Type: Tier Classification
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1970
Action:
Date: 08/17/05
Type: Phase II
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:

FROST INC. (Continued) **S101026004**

LSP Number: Not reported
Chemical Released:
Chemical: TOTAL PETROLEUM HYDROCARBONS (TPH)
Amount: 200, micrograms per kilogram
Chemical Released:
Chemical: ARSENIC
Amount: 59, micrograms per kilogram
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : B1
Oil / Haz Material Type : Oil and Hazardous Material

Facility ID: 2-0015572
Primary ID: -
Facility Status: Unclassified Waste Site
Status Date: 01/20/05
Phase: Not reported
Notification: 01/20/05
Category: 120 DY
Official City: WORCESTER
Action:
Date: 01/20/05
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/25/05
Type: Immediate Response
Status: Imminent Hazard Evaluation Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9350
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 95.7, parts per million
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 4.82, parts per million
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Not reported

MA Spills:

Facility ID:	0000	Spill ID:	C89-0633
Staff Lead:	DUNLOP, C	Date Entered:	Not reported
Last Entered:	10/27/1989	First Response:	10/27/1989
Spill Date:	10/27/1989	Report Date:	10/27/1989
Spill Time:	Not reported	Report Time:	11:35PM
Case Closed:	YES	Mat Type:	HAZARDOUS
Virgin Waste:	WASTE	Contam Soil:	Not reported
Env Impact:	Not reported	Other Impact:	Not reported
Material:	UNKNOWN	Other Material:	UNKNOWN SUBSTANCE
CAS No:	Not reported	PCB Lev (ppm):	NONE
Qty Reported:	10-50 GALLONS		
Qty Actual:	10-50 GALLONS		

FROST INC. (Continued) **S101026004**

Source:	DRUM	Other Source:	Not reported
Incident:	LEAK	Other Incdnt:	Not reported
Cleanup Type:	SC	Contractor:	ZECCO
Referral:	NO	LUST Elig:	NO
Notifier:	ST. GERMAINE/WORCESTER FD		
Notif Tel:	Not reported		
Report Prep:	Not reported	Category:	Not reported
Days/Close:	1		

P67 **GETTY STATION FMR** **LUST** **S100831553**
NNW **399 SOUTHBRIDGE ST** **Release** **N/A**
1/4-1/2 **WORCESTER, MA 01600** **INST CONTROL**
2606 ft.

Site 1 of 2 in cluster P

Relative: Higher

Actual: 464 ft.

LUST:
Facility ID: 2-0001110
Site Status: Response Action Outcome
Source Type: UST
Release Town: WORCESTER
Notification Date : 10/01/93
Category : NONE
Associated ID : 2-0001110
Status Date : 10/15/04
Phase : PHASE II
Oil Or Haz Material : Oil
Response Action Outcome Class : A3
Action:
Date: 12/07/04
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Activity Use Limitaion: NOTICE
LSP Number: 9360
Action:
Date: 12/15/05
Type: Activity and Use Limitation
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/01/93
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/16/02
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9360
Action:
Date: 08/04/99
Type: Utility-related Abatement Measure

GETTY STATION FMR (Continued) **S100831553**

Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 08/30/02
Type: Release Abatement Measure
Status: Written Plan Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/17/02
Type: Tier Classification
Status: LNKVIC
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9360
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: Not reported
Location Type: FORMER GASSTATION
Source Type: UST

MA INSTITUTIONAL CONTROL:
Release Tracking Number: 2-0001110
Description : AUL received on 10/15/2004

MA RELEASE:
Facility ID: 2-0001110
Primary ID: 2-0001110
Facility Status: Response Action Outcome
Status Date: 10/15/04
Phase: PHASE II
Notification: 10/01/93
Category: NONE
Official City: WORCESTER
Action:
Date: 12/07/04
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Activity Use Limitaion: NOTICE
LSP Number: 9360
Action:
Date: 12/15/05
Type: Activity and Use Limitation
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/01/93
Type: Release
Status: TCTRNS
Response Action Outcome:

GETTY STATION FMR (Continued) **S100831553**

Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/16/02
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9360
Action:
Date: 08/04/99
Type: Utility-related Abatement Measure
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 08/30/02
Type: Release Abatement Measure
Status: Written Plan Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/17/02
Type: Tier Classification
Status: LNKVIC
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9360
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: Not reported
Location Type: FORMER GASSTATION
Source Type: UST
Response Action Outcome Class : A3
Oil / Haz Material Type : Oil

P68 **CHARLES MANOOG YARD 9** **SHWS** **S105198968**
NNW **401 SOUTHBRIDGE ST** **Release** **N/A**
1/4-1/2 **WORCESTER, MA 01600**
2606 ft.

Site 2 of 2 in cluster P

Relative:
Higher

Actual:
464 ft.

CHARLES MANOOG YARD 9 (Continued) **S105198968**

SHWS:
Facility ID: 2-0000170
Site Status: Waiver Completion Statement, Permanent
Source Type: UNKNOWN
Release Town: WORCESTER
Notification Date : 11/19/86
Category : NONE
Associated ID : -
Status Date : 06/20/94
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : Not reported
Action:
Date: 11/19/86
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - OIL
Amount: Not reported
Location Type: INDUSTRIAL
Source Type: UNKNOWN

MA RELEASE:
Facility ID: 2-0000170
Primary ID: -
Facility Status: Waiver Completion Statement, Permanent
Status Date: 06/20/94
Phase: Not reported
Notification: 11/19/86
Category: NONE
Official City: WORCESTER
Action:
Date: 11/19/86
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - OIL
Amount: Not reported
Location Type: INDUSTRIAL
Source Type: UNKNOWN
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Oil

Q69
NW
1/4-1/2
2630 ft.

Relative:
Higher

Actual:
464 ft.

SWIP PARCEL 9A
25 SOUTHGATE ST
WORCESTER, MA 01610

SHWS
Release

S104562417
N/A

Site 1 of 2 in cluster Q

SHWS:
Facility ID: 2-0013360
Site Status: TIER1D
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 07/10/00
Category : 120 DY
Associated ID : -
Status Date : 07/17/01
Phase : Not reported
Oil Or Haz Material : Not reported
Response Action Outcome Class : Not reported
Action:
Date: 07/10/00
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 670, micrograms per kilogram
Location Type: Not reported
Source Type: Not reported

MA RELEASE:
Facility ID: 2-0013360
Primary ID: -
Facility Status: TIER1D
Status Date: 07/17/01
Phase: Not reported
Notification: 07/10/00
Category: 120 DY
Official City: WORCESTER
Action:
Date: 07/10/00
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 670, micrograms per kilogram
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Not reported

Q70
WNW
1/2-1
2655 ft.

Relative:
Higher

Actual:
466 ft.

SWIP PARCEL 4A
28 SOUTHGATE ST
WORCESTER, MA 01610

Site 2 of 2 in cluster Q

SHWS
Release

S104562418
N/A

SHWS:
Facility ID: 2-0013361
Site Status: TIER1D
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 07/10/00
Category : 120 DY
Associated ID : -
Status Date : 07/17/01
Phase : Not reported
Oil Or Haz Material : Not reported
Response Action Outcome Class : Not reported
Action:
Date: 07/10/00
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 570, micrograms per kilogram
Location Type: Not reported
Source Type: Not reported

MA RELEASE:
Facility ID: 2-0013361
Primary ID: -
Facility Status: TIER1D
Status Date: 07/17/01
Phase: Not reported
Notification: 07/10/00
Category: 120 DY
Official City: WORCESTER
Action:
Date: 07/10/00
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 570, micrograms per kilogram
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Not reported

71
North
1/2-1
2680 ft.

COMMONWEALTH GAS
QUINSIGAMOND AVE
WORCESTER, MA 01610

SHWS
Release
INST CONTROL

1000301810
N/A

Relative:
Higher

Actual:
453 ft.

SHWS:
Facility ID: 2-0000171
Site Status: Response Action Outcome
Source Type: UNCONTAIN
Release Town: WORCESTER
Notification Date : 01/15/87
Category : NONE
Associated ID : -
Status Date : 10/31/97
Phase : PHASE III
Oil Or Haz Material : Oil and Hazardous Material
Response Action Outcome Class : B2
Action:
Date: 10/31/97
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.
Activity Use Limitaion: NOTICE
LSP Number: Not reported
Action:
Date: 05/02/02
Type: Phase II
Status: Action Audited
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 05/02/02
Type: Phase I
Status: Action Audited
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/15/87
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 12/13/02
Type: Activity and Use Limitation
Status: Amendment Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 12/23/95
Type: Tier Classification
Status: PEREFF
Response Action Outcome:

COMMONWEALTH GAS (Continued) **1000301810**

Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 08/17/05
Type: Activity and Use Limitation
Status: Level II - Audit Inspection
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: CYANIDE
Amount: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - OIL
Amount: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: Not reported
Location Type: COGASPLANT
COMMERCIAL
FORMER
Source Type: UNCONTAIN
UNKNOWN

Facility ID: 2-0000171
Site Status: Response Action Outcome
Source Type: UNKNOWN
Release Town: WORCESTER
Notification Date : 01/15/87
Category : NONE
Associated ID : -
Status Date : 10/31/97
Phase : PHASE III
Oil Or Haz Material : Oil and Hazardous Material
Response Action Outcome Class : B2
Action:
Date: 10/31/97
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.
Activity Use Limitaion: NOTICE
LSP Number: Not reported
Action:
Date: 05/02/02
Type: Phase II
Status: Action Audited
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 05/02/02
Type: Phase I
Status: Action Audited
Response Action Outcome:
Activity Use Limitaion:

COMMONWEALTH GAS (Continued) **1000301810**

LSP Number: Not reported
Action:
Date: 01/15/87
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 12/13/02
Type: Activity and Use Limitation
Status: Amendment Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 12/23/95
Type: Tier Classification
Status: PEREFF
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 08/17/05
Type: Activity and Use Limitation
Status: Level II - Audit Inspection
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: CYANIDE
Amount: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - OIL
Amount: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: Not reported
Location Type: COGASPLANT
COMMERCIAL
FORMER
Source Type: UNCONTAIN
UNKNOWN

MA INSTITUTIONAL CONTROL:
Release Tracking Number: 2-0000171
Description : AUL amended on 12/13/2002 AUL
received on 12/13/2002 AUL received
on 7/24/1997

MA RELEASE:
Facility ID: 2-0000171
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 10/31/97
Phase: PHASE III
Notification: 01/15/87
Category: NONE

COMMONWEALTH GAS (Continued) **1000301810**

Official City: WORCESTER
Action:
Date: 10/31/97
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.
Activity Use Limitaion: NOTICE
LSP Number: Not reported
Action:
Date: 05/02/02
Type: Phase II
Status: Action Audited
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 05/02/02
Type: Phase I
Status: Action Audited
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/15/87
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 12/13/02
Type: Activity and Use Limitation
Status: Amendment Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 12/23/95
Type: Tier Classification
Status: PEREFF
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 08/17/05
Type: Activity and Use Limitation
Status: Level II - Audit Inspection
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: CYANIDE
Amount: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - OIL

COMMONWEALTH GAS (Continued) **1000301810**

Amount: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: Not reported
Location Type: COGASPLANT
COMMERCIAL
FORMER
Source Type: UNCONTAIN
UNKNOWN
Response Action Outcome Class : B2
Oil / Haz Material Type : Oil and Hazardous Material

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72 ESE 1/2-1 2691 ft. **RESIDENTIAL SPILL** **SHWS S102084721**
27 LOUISE ST **Release N/A**
WORCESTER, MA 01607 **LAST**

Relative: Higher

Actual: 549 ft.

SHWS:
Facility ID: 2-0011143
Site Status: Response Action Outcome
Source Type: PIPE
Release Town: WORCESTER
Notification Date : 03/05/96
Category : TWO HR
Associated ID : -
Status Date : 05/10/96
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A2
Action:
Date: 05/10/96
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: 1959
Action:
Date: 03/05/96
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1959
Action:
Date: 03/05/96
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 05/10/96
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:

RESIDENTIAL SPILL (Continued) **S102084721**

Chemical: FUEL OIL #2
Amount: 100, gallons
Location Type: RESIDNTIAL
Source Type: AST
PIPE

LAST:
Facility ID: 2-0011143
Site Status: Response Action Outcome
Source Type: AST
Release Town: WORCESTER
Notification Date : 03/05/96
Category : TWO HR
Associated ID : -
Status Date : 05/10/96
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A2
Action:
Date: 05/10/96
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: 1959
Action:
Date: 03/05/96
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1959
Action:
Date: 03/05/96
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 05/10/96
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: FUEL OIL #2
Amount: 100, gallons
Location Type: RESIDNTIAL
Source Type: AST
PIPE

RESIDENTIAL SPILL (Continued) **S102084721**

MA RELEASE:
Facility ID: 2-0011143
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 05/10/96
Phase: Not reported
Notification: 03/05/96
Category: TWO HR
Official City: WORCESTER
Action:
Date: 05/10/96
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: 1959
Action:
Date: 03/05/96
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1959
Action:
Date: 03/05/96
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 05/10/96
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: FUEL OIL #2
Amount: 100, gallons
Location Type: RESIDNTIAL
Source Type: AST
PIPE
Response Action Outcome Class : A2
Oil / Haz Material Type : Oil

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73 **SHWS** **S102084661**
ESE **36 UPSALA ST** **Release** **N/A**
1/2-1 **WORCESTER, MA 01610** **INST CONTROL**
2755 ft. **LEAD**

Relative:
Higher

Actual:
587 ft.

(Continued) **S102084661**

SHWS:
Facility ID: 2-0011062
Site Status: Response Action Outcome
Source Type: UNKNOWN
Release Town: WORCESTER
Notification Date : 01/09/96
Category : 120 DY
Associated ID : -
Status Date : 03/19/96
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A3
Action:
Date: 03/14/96
Type: Response Action Outcome
Status: Fee Received
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Activity Use Limitaion: NOTICE
LSP Number: 9030
Action:
Date: 09/06/95
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/19/96
Type: Activity and Use Limitation
Status: Transmittal Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/09/96
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/08/96
Type: Release Abatement Measure
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9030
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - OIL
Amount: 12000, micrograms per kilogram
Location Type: MUNICIPAL
SCHOOL
Source Type: UNKNOWN

MA INSTITUTIONAL CONTROL:
Release Tracking Number: 2-0011062

(Continued) **S102084661**

Description : AUL received on 3/19/1996

MA RELEASE:
Facility ID: 2-0011062
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 03/19/96
Phase: Not reported
Notification: 01/09/96
Category: 120 DY
Official City: WORCESTER
Action:
Date: 03/14/96
Type: Response Action Outcome
Status: Fee Received
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Activity Use Limitaion: NOTICE
LSP Number: 9030
Action:
Date: 09/06/95
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/19/96
Type: Activity and Use Limitation
Status: Transmittal Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/09/96
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/08/96
Type: Release Abatement Measure
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9030
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - OIL
Amount: 12000, micrograms per kilogram
Location Type: MUNICIPAL
SCHOOL
Source Type: UNKNOWN
Response Action Outcome Class : A3
Oil / Haz Material Type : Oil

LEAD:
Facility Id : MA000000268155

(Continued) **S102084661**

Unit :	G109
Env Case Id :	MA000000177944
Insp Date :	2002-03-07
Inspection Type :	Comprehensive Initial Inspection
Inspection Results :	No Violations Found
Inspector Name :	James Weydt
Inspector License Number :	1196
Deleading Notif Work Start Date :	Not reported
Compliance Letter Date :	2002-03-07
Complaince Type :	Letter of Full Initial Insp. Compliance
Complaince Inspector Name :	James Weydt
Complaince Inspector License # :	1196

R74 **DACOR CO.** **SHWS** **S101041401**
WNW **65 ARMORY ST.** **Release** **N/A**
1/2-1 **WORCESTER, MA 01603** **MA Spills**
2797 ft.

Site 1 of 2 in cluster R

Relative: Higher

Actual: 471 ft.

SHWS:

Facility ID:	2-0011753
Site Status:	**TIER1D**
Source Type:	UNKNOWN
Release Town:	WORCESTER
Notification Date :	06/04/97
Category :	TWO HR
Associated ID :	-
Status Date :	06/11/98
Phase :	Not reported
Oil Or Haz Material :	Oil
Response Action Outcome Class :	Not reported

Action:

Date:	06/04/97
Type:	Release
Status:	REPORT
Response Action Outcome:	
Activity Use Limitaion:	
LSP Number:	Not reported

Action:

Date:	08/06/97
Type:	RNF
Status:	REPORT
Response Action Outcome:	
Activity Use Limitaion:	
LSP Number:	Not reported

Action:

Date:	08/20/97
Type:	Immediate Response
Status:	Written Approval of Plan
Response Action Outcome:	
Activity Use Limitaion:	
LSP Number:	9763

Chemical Released:

Chemical:	OIL
Amount:	10, gallons
Location Type:	INDUSTRIAL
Source Type:	UNKNOWN

DACOR CO. (Continued) **S101041401**

MA RELEASE:
Facility ID: 2-0011753
Primary ID: -
Facility Status: TIER1D
Status Date: 06/11/98
Phase: Not reported
Notification: 06/04/97
Category: TWO HR
Official City: WORCESTER
Action:
Date: 06/04/97
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 08/06/97
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 08/20/97
Type: Immediate Response
Status: Written Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9763
Chemical Released:
Chemical: OIL
Amount: 10, gallons
Location Type: INDUSTRIAL
Source Type: UNKNOWN
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Oil

MA Spills:

Facility ID:	0000	Spill ID:	C92-0047
Staff Lead:	SALVADORE, D	Date Entered:	Not reported
Last Entered:	01/30/1992	First Response:	01/30/1992
Spill Date:	01/30/1992	Report Date:	01/30/1992
Spill Time:	Not reported	Report Time:	01:30
Case Closed:	YES	Mat Type:	HAZARDOUS
Virgin Waste:	WASTE	Contam Soil:	Not reported
Env Impact:	Not reported	Other Impact:	Not reported
Material:	SOLVENTS	Other Material:	Not reported
CAS No:	Not reported	PCB Lev (ppm):	----------
Qty Reported:	51-100 DRUMS		
Qty Actual:	51-100 DRUMS		
Source:	DRUM	Other Source:	Not reported
Incident:	OTHER RELEASE >	Other Incdnt:	IMPROP. STORED
Cleanup Type:	---	Contractor:	NOT USED
Referral:	NO	LUST Elig:	NO
Notifier:	WORC. FIRE DEPT., CAPT. B		
Notif Tel:	Not reported		

DACOR CO. (Continued) **S101041401**

Report Prep: Not reported Category: Not reported
Days/Close: 1

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75 NNW 1/2-1 2824 ft. **P&W RAILROAD** **SHWS** **S101047749**
75 HAMMOND ST. **Release** **N/A**
WORCESTER, MA 01610 **MA Spills**

Relative: Higher

Actual: 463 ft.

SHWS:
Facility ID: 2-0014780
Site Status: Response Action Outcome
Source Type: VEHICLE
Release Town: WORCESTER
Notification Date : 06/01/03
Category : TWO HR
Associated ID : -
Status Date : 06/04/04
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A2
Action:
Date: 10/05/04
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: 7022
Action:
Date: 06/01/03
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 7022
Action:
Date: 10/05/04
Type: Immediate Response
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 7022
Action:
Date: 08/01/03
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: DIESEL FUEL
Amount: 400, gallons
Location Type: COMMERCIAL
Source Type: VEHICLE

P&W RAILROAD (Continued) **S101047749**

MA RELEASE:
Facility ID: 2-0014780
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 06/04/04
Phase: Not reported
Notification: 06/01/03
Category: TWO HR
Official City: WORCESTER
Action:
Date: 10/05/04
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: 7022
Action:
Date: 06/01/03
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 7022
Action:
Date: 10/05/04
Type: Immediate Response
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 7022
Action:
Date: 08/01/03
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: DIESEL FUEL
Amount: 400, gallons
Location Type: COMMERCIAL
Source Type: VEHICLE
Response Action Outcome Class : A2
Oil / Haz Material Type : Oil

MA Spills:

Facility ID:	0000	Spill ID:	C93-0441
Staff Lead:	SCANGAS, L	Date Entered:	Not reported
Last Entered:	09/07/1993	First Response:	09/07/1993
Spill Date:	09/07/1993	Report Date:	09/07/1993
Spill Time:	02:17AM	Report Time:	10:10AM
Case Closed:	YES	Mat Type:	PETROLEUM
Virgin Waste:	VIRGIN	Contam Soil:	Not reported
Env Impact:	SOIL	Other Impact:	Not reported
Material:	DIESEL FUEL	Other Material:	Not reported
CAS No:	Not reported	PCB Lev (ppm):	NONE

P&W RAILROAD (Continued) **S101047749**

Qty Reported:	501-1000 GALLONS		
Qty Actual:	501-1000 GALLONS		
Source:	VEH. FUEL TANK	Other Source:	Not reported
Incident:	RUPTURE	Other Incdnt:	Not reported
Cleanup Type:	---	Contractor:	NOT USED
Referral:	NO	LUST Elig:	NO
Notifier:	RICK FISHER; P&W SAFETY O		
Notif Tel:	Not reported		
Report Prep:	Not reported	Category:	Not reported
Days/Close:	0		

S76 **DRAKE PETROLEUM ALCOTT MANAGEM** **LUST** **S101039545**
SE **687 MILLBURY ST.** **Release** **N/A**
1/2-1 **WORCESTER, MA** **MA Spills**
2824 ft.

Site 1 of 2 in cluster S

Relative:
Lower

Actual:
451 ft.

LUST:
Facility ID: 2-0015834
Site Status: **Unclassified Waste Site**
Source Type: UST
Release Town: WORCESTER
Notification Date : 07/21/05
Category : 72 HR
Associated ID : -
Status Date : 07/21/05
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : Not reported
Action:
Date: 09/22/05
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/31/05
Type: Immediate Response
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 7212
Action:
Date: 07/21/05
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 7212
Chemical Released:
Chemical: GASOLINE
Amount: 1300, parts per million
Location Type: COMMERCIAL
Source Type: UST

Facility ID: 2-0015977
Site Status: **Unclassified Waste Site**
Source Type: UST

DRAKE PETROLEUM ALCOTT MANAGEM (Continued) **S101039545**

Release Town: WORCESTER
Notification Date : 11/04/05
Category : 72 HR
Associated ID : -
Status Date : 11/04/05
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : Not reported
Action:
Date: 11/04/05
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/04/05
Type: Immediate Response
Status: IRA Assessment Only
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: GASOLINE
Amount: .5, inches
Location Type: COMMERCIAL
Source Type: UST

MA RELEASE:
Facility ID: 2-0015834
Primary ID: -
Facility Status: Unclassified Waste Site
Status Date: 07/21/05
Phase: Not reported
Notification: 07/21/05
Category: 72 HR
Official City: WORCESTER
Action:
Date: 09/22/05
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/31/05
Type: Immediate Response
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 7212
Action:
Date: 07/21/05
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 7212

DRAKE PETROLEUM ALCOTT MANAGEM (Continued) **S101039545**

Chemical Released:
Chemical: GASOLINE
Amount: 1300, parts per million
Location Type: COMMERCIAL
Source Type: UST
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Oil

Facility ID: 2-0015977
Primary ID: -
Facility Status: Unclassified Waste Site
Status Date: 11/04/05
Phase: Not reported
Notification: 11/04/05
Category: 72 HR
Official City: WORCESTER
Action:
Date: 11/04/05
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/04/05
Type: Immediate Response
Status: IRA Assessment Only
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: GASOLINE
Amount: .5, inches
Location Type: COMMERCIAL
Source Type: UST
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Oil

MA Spills:

Facility ID:	0000	Spill ID:	C91-0509
Staff Lead:	COOPERMAN, S	Date Entered:	Not reported
Last Entered:	09/25/1991	First Response:	09/25/1991
Spill Date:	09/25/1991	Report Date:	09/25/1991
Spill Time:	Not reported	Report Time:	02:50PM
Case Closed:	YES	Mat Type:	PETROLEUM
Virgin Waste:	VIRGIN	Contam Soil:	Not reported
Env Impact:	SOIL	Other Impact:	Not reported
Material:	GASOLINE	Other Material:	Not reported
CAS No:	Not reported	PCB Lev (ppm):	NONE
Qty Reported:	1-10 GALLONS		
Qty Actual:	LESS THAN 1 GALLONS		
Source:	PIPE/HOSE/LINE	Other Source:	Not reported
Incident:	RUPTURE	Other Incdnt:	Not reported
Cleanup Type:	---	Contractor:	NOT USED
Referral:	NO	LUST Elig:	NO
Notifier:	F.D.		
Notif Tel:	Not reported		
Report Prep:	Not reported	Category:	Not reported

DRAKE PETROLEUM ALCOTT MANAGEM (Continued) **S101039545**

Days/Close: 1

S77 **BP LUBRICANTS USA INC** **RCRA-SQG** **1000186206**
SE **692 MILLBURY STREET** **SHWS** **MAD046128666**
1/2-1 **WORCESTER, MA 01607** **FINDS**
2824 ft. **Release**
Site 2 of 2 in cluster S **CT MANIFEST**

Relative: Lower

Actual: 451 ft.

RCRAInfo:
Owner: CASTROL HEAVY DUTY LUBRICANTS INC
EPA ID: MAD046128666

Contact: DEAN DAY
(508) 791-3201

Classification: Conditionally Exempt Small Quantity Generator
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 03/05/1990
Actual Date Achieved Compliance: 06/01/1990

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 04/06/1990
Penalty Type: Not reported

There are 1 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19900601

FINDS:
Other Pertinent Environmental Activity Identified at Site:
AEROMETRIC INFORMATION RETRIEVAL SYSTEM/AIRS FACILITY SYSTEM
NATIONAL COMPLIANCE DATABASE SYSTEM
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM
TOXIC CHEMICAL RELEASE INVENTORY SYSTEM

SHWS:
Facility ID: 2-0000984
Site Status: Response Action Outcome
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 05/13/93
Category : NONE
Associated ID : -
Status Date : 02/28/01
Phase : PHASE IV
Oil Or Haz Material : Oil
Response Action Outcome Class : C
Action:
Date: 02/28/01
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A temporary solution, which ensures the elimination of any substantialhazard, has been achieved at the disposal site.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:

BP LUBRICANTS USA INC (Continued) **1000186206**

Date: 10/04/00
Type: Phase II
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/04/00
Type: Phase III
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/14/00
Type: Tier Classification
Status: Tier 2 Extension
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 05/13/93
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/17/01
Type: Release Abatement Measure
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: Not reported
Location Type: Not reported
Source Type: Not reported

MA RELEASE:
Facility ID: 2-0000984
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 02/28/01
Phase: PHASE IV
Notification: 05/13/93
Category: NONE
Official City: WORCESTER
Action:
Date: 02/28/01
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A temporary solution, which ensures the elimination of any substantialhazard, has been achieved at the disposal site.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:

BP LUBRICANTS USA INC (Continued) **1000186206**

Date: 10/04/00
Type: Phase II
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/04/00
Type: Phase III
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/14/00
Type: Tier Classification
Status: Tier 2 Extension
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 05/13/93
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/17/01
Type: Release Abatement Measure
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: Not reported
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : C
Oil / Haz Material Type : Oil

CT MANIFEST:
Manifest ID: CTF0775535
TSDF EPA ID: CTD021816889
TSDF Telephone: Not reported
TSDF Name: UNITED OIL RECOVERY INC./UIS DBA ADVANCED LIQ. REC
TSDF Address: 136 GRACEY AVE.
MERIDEN, CT 06451
TSDF Country: USA
Transporter 1 EPA ID: CTD021816889
Trans. 1 Phone: Not reported
Trans. 1 Name: UNITED OIL RECOVERY INC./UIS DBA ADVANCED LIQ. REC
Trans. 1 Address: Not reported
CT
Trans. 1 Country: USA
Transp. 1 date: 19981209
Transporter 2 EPA ID: Not reported

BP LUBRICANTS USA INC (Continued) **1000186206**

Trans. 2 Phone:	Not reported
Trans. 2 Name:	Not reported
Trans. 2 Address:	Not reported
	CT
Trans. 2 Country:	USA
Transp. 2 date:	Not reported
Generator EPA ID:	MAD046128666
Gen. Facility Phone:	5087913201
Gen. Site Address:	Not reported
	Not reported
Gen. Site County:	Not reported
Special Handling:	Not reported
Discrepancies:	Yes
Date Shipped:	19981209
Date Received:	19981210
Comments:	Not reported
Year:	1998
Last modified date:	20040426
Last modified by:	IG

R78
WNW
1/2-1
2828 ft.

Site 2 of 2 in cluster R

Relative:
Higher

Actual:
471 ft.

WRIGHT MACHINE CORP **RCRA-SQG** **1000234846**
69 ARMORY ST **SHWS** **MAD001440676**
WORCESTER, MA 01603 **FINDS**
Release
ENF
INST CONTROL
CT MANIFEST

RCRAInfo:
Contact: ENVR ENGR
(999) 999-9999

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
AEROMETRIC INFORMATION RETRIEVAL SYSTEM/AIRS FACILITY SYSTEM
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

SHWS:
Facility ID: 2-0000812
Site Status: STMRET
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 02/27/91
Category : NONE
Associated ID : -
Status Date : 07/30/04
Phase : PHASE III
Oil Or Haz Material : Not reported
Response Action Outcome Class : Not reported
Action:
Date: 07/30/04
Type: Response Action Outcome
Status: Statement or Transmittal Retracted
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been

WRIGHT MACHINE CORP (Continued) **1000234846**

implemented.
Activity Use Limitaion: NOTICE
LSP Number: Not reported
Action:
Date: 03/21/05
Type: Tier Classification
Status: Tier 2 Extension
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/30/99
Type: Phase II
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/30/04
Type: Activity and Use Limitation
Status: Action, Status, or AUL Terminated
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/01/90
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: Not reported
Location Type: MANUFACT
Source Type: Not reported

MA INSTITUTIONAL CONTROL:
Release Tracking Number: 2-0000812
Description : AUL terminated on 7/30/2004 AUL
received on 3/30/2001

MA RELEASE:
Facility ID: 2-0000812
Primary ID: -
Facility Status: STMRET
Status Date: 07/30/04
Phase: PHASE III
Notification: 02/27/91
Category: NONE
Official City: WORCESTER
Action:
Date: 07/30/04
Type: Response Action Outcome
Status: Statement or Transmittal Retracted
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.

WRIGHT MACHINE CORP (Continued) **1000234846**

Activity Use Limitaion: NOTICE
LSP Number: Not reported
Action:
Date: 03/21/05
Type: Tier Classification
Status: Tier 2 Extension
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/30/99
Type: Phase II
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/30/04
Type: Activity and Use Limitation
Status: Action, Status, or AUL Terminated
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/01/90
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: Not reported
Location Type: MANUFACT
Source Type: Not reported
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Not reported

MA ENFORCEMENT :
Facility ID : ACOP-CE-04-9003-2
Name : ELPACKO, INC
Facility Type : ACOP
Address 1 : 2 CARL THOMPSON ROAD
Address 2 : WESTFORD, MA
Reg : CE
Issue Date : 2004-03-09 00:00:00

CT MANIFEST:
Manifest ID: CTF0034155
TSDF EPA ID: CTD021816889
TSDF Telephone: Not reported
TSDF Name: UNITED OIL RECOVERY, INC.
TSDF Address: 136 GRACEY AVENUE
MERIDEN, CT 06450
TSDF Country: USA
Transporter 1 EPA ID: CTD021816889
Trans. 1 Phone: Not reported
Trans. 1 Name: UNITED OIL RECOVERY, INC.

WRIGHT MACHINE CORP (Continued) **1000234846**

Trans. 1 Address:	Not reported
	CT
Trans. 1 Country:	USA
Transp. 1 date:	19910613
Transporter 2 EPA ID:	Not reported
Trans. 2 Phone:	Not reported
Trans. 2 Name:	Not reported
Trans. 2 Address:	Not reported
	CT
Trans. 2 Country:	USA
Transp. 2 date:	Not reported
Generator EPA ID:	MAD001440676
Gen. Facility Phone:	5087557000
Gen. Site Address:	Not reported
	Not reported
Gen. Site County:	Not reported
Special Handling:	Yes
Discrepancies:	No
Date Shipped:	19910613
Date Received:	19910613
Comments:	Not reported
Year:	1991
Last modified date:	20040427
Last modified by:	IG

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79 **NOARS OIL CO** **Release** **S103545638**
NNE **135 MILLBURY ST** **LAST** **N/A**
1/2-1 **WORCESTER, MA**
2902 ft.

Relative:
Higher

Actual:
466 ft.

LAST:

Facility ID:	2-0012579
Site Status:	**Response Action Outcome**
Source Type:	AST
Release Town:	WORCESTER
Notification Date :	12/28/98
Category :	TWO HR
Associated ID :	-
Status Date :	09/17/99
Phase :	Not reported
Oil Or Haz Material :	Oil
Response Action Outcome Class :	A2

Action:

Date:	09/17/99
Type:	Response Action Outcome
Status:	RAO Statement Received
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion:	NONE
LSP Number:	8762

Action:

Date:	02/22/99
Type:	RNF
Status:	REPORT
Response Action Outcome:	
Activity Use Limitaion:	
LSP Number:	Not reported

Action:

Date:	12/28/98

NOARS OIL CO (Continued) **S103545638**

Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8762
Action:
Date: 09/17/99
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8762
Chemical Released:
Chemical: FUEL OIL #2
Amount: 100, gallons
Location Type: COMMERCIAL
Source Type: AST

MA RELEASE:
Facility ID: 2-0012579
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 09/17/99
Phase: Not reported
Notification: 12/28/98
Category: TWO HR
Official City: WORCESTER
Action:
Date: 09/17/99
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: 8762
Action:
Date: 02/22/99
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 12/28/98
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8762
Action:
Date: 09/17/99
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8762
Chemical Released:
Chemical: FUEL OIL #2

NOARS OIL CO (Continued) **S103545638**

Amount: 100, gallons
Location Type: COMMERCIAL
Source Type: AST
Response Action Outcome Class : A2
Oil / Haz Material Type : Oil

T80 **WILLIAM F LYNCH CO** **SHWS** **S106510354**
NW **11 CANTERBURY ST** **Release** **N/A**
1/2-1 **WORCESTER, MA 01610**
2903 ft.

Site 1 of 3 in cluster T

Relative: Higher

Actual: 462 ft.

SHWS:
Facility ID: 2-0015298
Site Status: TIERII
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 06/15/04
Category : 120 DY
Associated ID : -
Status Date : 06/22/05
Phase : PHASE II
Oil Or Haz Material : Oil and Hazardous Material
Response Action Outcome Class : Not reported
Action:
Date: 06/22/05
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 3427
Action:
Date: 06/22/05
Type: Tier Classification
Status: Tier 2 Classification
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/22/05
Type: Release Abatement Measure
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 3427
Action:
Date: 06/15/04
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 3427
Chemical Released:
Chemical: ARSENIC
Amount: 32, micrograms per kilogram
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - HAZARDOUS MATERIAL
Amount: 3750, micrograms per kilogram
Chemical Released:

WILLIAM F LYNCH CO (Continued) **S106510354**

Chemical: LEAD
Amount: 2830, micrograms per kilogram
Location Type: Not reported
Source Type: Not reported

MA RELEASE:
Facility ID: 2-0015298
Primary ID: -
Facility Status: TIERII
Status Date: 06/22/05
Phase: PHASE II
Notification: 06/15/04
Category: 120 DY
Official City: WORCESTER
Action:
Date: 06/22/05
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 3427
Action:
Date: 06/22/05
Type: Tier Classification
Status: Tier 2 Classification
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/22/05
Type: Release Abatement Measure
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 3427
Action:
Date: 06/15/04
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 3427
Chemical Released:
Chemical: ARSENIC
Amount: 32, micrograms per kilogram
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - HAZARDOUS MATERIAL
Amount: 3750, micrograms per kilogram
Chemical Released:
Chemical: LEAD
Amount: 2830, micrograms per kilogram
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Oil and Hazardous Material

T81
NW
1/2-1
2903 ft.

Relative:
Higher

Actual:
462 ft.

WILLIAM F LYNCH
11 CANTERBURY ST
WORCESTER, MA 01610

LUST
Release

S103383236
N/A

Site 2 of 3 in cluster T

LUST:
Facility ID: 2-0012401
Site Status: Response Action Outcome
Source Type: UST
Release Town: WORCESTER
Notification Date : 09/14/98
Category : 72 HR
Associated ID : -
Status Date : 03/29/01
Phase : PHASE II
Oil Or Haz Material : Oil
Response Action Outcome Class : A2
Action:
Date: 04/06/01
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: 2841
Action:
Date: 09/14/98
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 09/17/99
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1959
Action:
Date: 03/30/00
Type: Tier Classification
Status: Tier 2 Classification
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1959
Action:
Date: 03/30/00
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1959
Action:
Date: 09/17/99
Type: RNF
Status: REPORT
Response Action Outcome:

WILLIAM F LYNCH (Continued) **S103383236**

Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: GASOLINE
Amount: 140, parts per million
Location Type: COMMERCIAL
Source Type: UST

MA RELEASE:
Facility ID: 2-0012401
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 03/29/01
Phase: PHASE II
Notification: 09/14/98
Category: 72 HR
Official City: WORCESTER
Action:
Date: 04/06/01
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: 2841
Action:
Date: 09/14/98
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 09/17/99
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1959
Action:
Date: 03/30/00
Type: Tier Classification
Status: Tier 2 Classification
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1959
Action:
Date: 03/30/00
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1959
Action:
Date: 09/17/99
Type: RNF
Status: REPORT
Response Action Outcome:

WILLIAM F LYNCH (Continued) **S103383236**

Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: GASOLINE
Amount: 140, parts per million
Location Type: COMMERCIAL
Source Type: UST
Response Action Outcome Class : A2
Oil / Haz Material Type : Oil

T82 **SCRAP METAL YARD** **SHWS** **S100363289**
NNW **7-9 CANTERBURY ST** **Release** **N/A**
1/2-1 **WORCESTER, MA 01600** **INST CONTROL**
2913 ft.

Site 3 of 3 in cluster T

Relative: Higher

Actual: 462 ft.

SHWS:
Facility ID: 2-0000821
Site Status: **Response Action Outcome**
Source Type: VEHICLE
Release Town: WORCESTER
Notification Date : 11/12/92
Category : NONE
Associated ID : 2-0000821
Status Date : 07/30/04
Phase : PHASE IV
Oil Or Haz Material : Oil
Response Action Outcome Class : A3
Action:
Date: 08/18/04
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Activity Use Limitaion: NOTICE
LSP Number: 3605
Action:
Date: 12/30/03
Type: Phase II
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4141
Action:
Date: 06/02/03
Type: Tier Classification
Status: Tier 2 Extension
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4141
Action:
Date: 03/22/04
Type: Phase IV
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4141
Action:
Date: 07/31/98

SCRAP METAL YARD (Continued) **S100363289**

Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 02/27/04
Type: Phase III
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4141
Action:
Date: 08/18/04
Type: Activity and Use Limitation
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 3605
Action:
Date: 03/22/04
Type: Release Abatement Measure
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4141
Action:
Date: 11/12/92
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: WASTE OIL
Amount: Not reported
Location Type: JUNKYARD
Source Type: VEHICLE

MA INSTITUTIONAL CONTROL:
Release Tracking Number: 2-0000821
Description : AUL received on 8/10/2004

MA RELEASE:
Facility ID: 2-0000821
Primary ID: 2-0000821
Facility Status: Response Action Outcome
Status Date: 07/30/04
Phase: PHASE IV
Notification: 11/12/92
Category: NONE
Official City: WORCESTER
Action:
Date: 08/18/04
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.

SCRAP METAL YARD (Continued) **S100363289**

Activity Use Limitaion: NOTICE
LSP Number: 3605
Action:
Date: 12/30/03
Type: Phase II
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4141
Action:
Date: 06/02/03
Type: Tier Classification
Status: Tier 2 Extension
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4141
Action:
Date: 03/22/04
Type: Phase IV
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4141
Action:
Date: 07/31/98
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 02/27/04
Type: Phase III
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4141
Action:
Date: 08/18/04
Type: Activity and Use Limitation
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 3605
Action:
Date: 03/22/04
Type: Release Abatement Measure
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4141
Action:
Date: 11/12/92
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:

SCRAP METAL YARD (Continued) **S100363289**

LSP Number: Not reported
Chemical Released:
Chemical: WASTE OIL
Amount: Not reported
Location Type: JUNKYARD
Source Type: VEHICLE
Response Action Outcome Class : A3
Oil / Haz Material Type : Oil

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83 **THOMAS SWEENEY** **SHWS** **S106863438**
NW **49 CANTERBURY ST** **Release** **N/A**
1/2-1 **WORCESTER, MA**
2952 ft.

Relative: Higher

Actual: 466 ft.

SHWS:
Facility ID: 2-0015632
Site Status: Response Action Outcome
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 03/07/05
Category : 120 DY
Associated ID : -
Status Date : 07/14/05
Phase : Not reported
Oil Or Haz Material : Hazardous Material
Response Action Outcome Class : B1
Action:
Date: 08/18/05
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 03/07/05
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: ARSENIC
Amount: 31, parts per million
Location Type: Not reported
Source Type: Not reported

MA RELEASE:
Facility ID: 2-0015632
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 07/14/05
Phase: Not reported
Notification: 03/07/05
Category: 120 DY
Official City: WORCESTER
Action:
Date: 08/18/05
Type: Response Action Outcome

THOMAS SWEENEY (Continued) **S106863438**

Status: Level I - Technical Screen Audit
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 03/07/05
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: ARSENIC
Amount: 31, parts per million
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : B1
Oil / Haz Material Type : Hazardous Material

U84 **PROVIDENCE & WORCESTER RR** **SHWS** **S104774076**
NNW **382 SOUTHBRIDGE ST** **Release** **N/A**
1/2-1 **WORCESTER, MA 01610**
2987 ft.

Site 1 of 4 in cluster U

Relative:
Higher

Actual:
460 ft.

SHWS:
Facility ID: 2-0013444
Site Status: **Response Action Outcome Not Required**
Source Type: UNKNOWN
Release Town: WORCESTER
Notification Date : 08/24/00
Category : 72 HR
Associated ID : 2-0012910
Status Date : 11/06/00
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : Not reported
Action:
Date: 08/09/05
Type: Response Action Outcome Not Required
Status: IMRCD
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/16/00
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 08/24/00
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported

PROVIDENCE & WORCESTER RR (Continued) **S104774076**

Action:
Date: 01/08/03
Type: Immediate Response
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6508
Chemical Released:
Chemical: DIESEL FUEL
Amount: 5.64, inches
Location Type: COMMERCIAL
INDUSTRIAL
Source Type: UNKNOWN

MA RELEASE:
Facility ID: 2-0013444
Primary ID: 2-0012910
Facility Status: Response Action Outcome Not Required
Status Date: 11/06/00
Phase: Not reported
Notification: 08/24/00
Category: 72 HR
Official City: WORCESTER
Action:
Date: 08/09/05
Type: Response Action Outcome Not Required
Status: IMRCD
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/16/00
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 08/24/00
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/08/03
Type: Immediate Response
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6508
Chemical Released:
Chemical: DIESEL FUEL
Amount: 5.64, inches
Location Type: COMMERCIAL
INDUSTRIAL
Source Type: UNKNOWN
Response Action Outcome Class : Not reported

PROVIDENCE & WORCESTER RR (Continued) **S104774076**

Oil / Haz Material Type : Oil

U85 **RAIL ROAD YARD** **SHWS** **S104482125**
NNW **382 SOUTHBRIDGE ST** **Release** **N/A**
1/2-1 **WORCESTER, MA 01610**
2987 ft.

Site 2 of 4 in cluster U

Relative:
Higher

Actual:
460 ft.

SHWS:
Facility ID: 2-0012910
Site Status: Response Action Outcome
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 11/01/99
Category : 120 DY
Associated ID : 2-0012910
Status Date : 12/03/03
Phase : PHASE IV
Oil Or Haz Material : Oil
Response Action Outcome Class : C
Action:
Date: 12/23/03
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A temporary solution, which ensures the elimination of any substantialhazard, has been achieved at the disposal site.
Activity Use Limitaion: NONE
LSP Number: 5463
Action:
Date: 04/09/03
Type: Phase II
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6508
Action:
Date: 11/06/00
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6508
Action:
Date: 11/01/99
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 12/03/03
Type: Phase III
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6508
Action:
Date: 04/06/00
Type: Release Abatement Measure

RAIL ROAD YARD (Continued) **S104482125**

Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6508
Action:
Date: 08/23/99
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6508
Action:
Date: 01/08/03
Type: Immediate Response
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/06/00
Type: Tier Classification
Status: Tier 2 Classification
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6508
Chemical Released:
Chemical: Not reported
Amount: Not reported
Location Type: COMMERCIAL
INDUSTRIAL
Source Type: Not reported

MA RELEASE:
Facility ID: 2-0012910
Primary ID: 2-0012910
Facility Status: Response Action Outcome
Status Date: 12/03/03
Phase: PHASE IV
Notification: 11/01/99
Category: 120 DY
Official City: WORCESTER
Action:
Date: 12/23/03
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A temporary solution, which ensures the elimination of any substantialhazard, has been achieved at the disposal site.
Activity Use Limitaion: NONE
LSP Number: 5463
Action:
Date: 04/09/03
Type: Phase II
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6508
Action:
Date: 11/06/00

RAIL ROAD YARD (Continued) **S104482125**

Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6508
Action:
Date: 11/01/99
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 12/03/03
Type: Phase III
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6508
Action:
Date: 04/06/00
Type: Release Abatement Measure
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6508
Action:
Date: 08/23/99
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6508
Action:
Date: 01/08/03
Type: Immediate Response
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/06/00
Type: Tier Classification
Status: Tier 2 Classification
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6508
Chemical Released:
Chemical: Not reported
Amount: Not reported
Location Type: COMMERCIAL
INDUSTRIAL
Source Type: Not reported
Response Action Outcome Class : C
Oil / Haz Material Type : Oil

U86
NNW
1/2-1
2987 ft.

Relative:
Higher

Actual:
460 ft.

UNITED VAN LINES/DESIGNS & ROS
383 SOUTHBRIDGE ST
WORCESTER, MA 01610

SHWS
Release

S102084075
N/A

Site 3 of 4 in cluster U

SHWS:
Facility ID: 2-0010215
Site Status: Response Action Outcome
Source Type: FUELTANK
Release Town: WORCESTER
Notification Date : 03/07/94
Category : TWO HR
Associated ID : -
Status Date : 04/19/94
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A1
Action:
Date: 04/19/94
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/07/94
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/19/94
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/07/94
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: DIESEL FUEL
Amount: 10, gallons
Chemical Released:
Chemical: DIESEL FUEL
Amount: 70, gallons
Location Type: ROADWAY
Source Type: FUELTANK

UNITED VAN LINES/DESIGNS & ROS (Continued) **S102084075**

MA RELEASE:
Facility ID: 2-0010215
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 04/19/94
Phase: Not reported
Notification: 03/07/94
Category: TWO HR
Official City: WORCESTER
Action:
Date: 04/19/94
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/07/94
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/19/94
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/07/94
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: DIESEL FUEL
Amount: 10, gallons
Chemical Released:
Chemical: DIESEL FUEL
Amount: 70, gallons
Location Type: ROADWAY
Source Type: FUELTANK
Response Action Outcome Class : A1
Oil / Haz Material Type : Oil

U87 **ENGINE HOUSE** **SHWS** **S103042901**
NNW **382 SOUTHBRIDGE ST** **Release** **N/A**
1/2-1 **WORCESTER, MA 01610**
2987 ft.

Site 4 of 4 in cluster U

Relative:
Higher

Actual:
460 ft.

SHWS:
Facility ID: 2-0010516
Site Status: Response Action Outcome
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 10/20/94
Category : TWO HR
Associated ID : -
Status Date : 12/13/94
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A2
Action:
Date: 12/13/94
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 12/13/94
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: LUBRICATING OIL
Amount: 35, gallons
Location Type: Not reported
Source Type: Not reported

MA RELEASE:
Facility ID: 2-0010516
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 12/13/94
Phase: Not reported
Notification: 10/20/94
Category: TWO HR
Official City: WORCESTER
Action:
Date: 12/13/94
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 12/13/94
Type: RNF
Status: REPORT

ENGINE HOUSE (Continued) **S103042901**

Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: LUBRICATING OIL
Amount: 35, gallons
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : A2
Oil / Haz Material Type : Oil

88
WNW
1/2-1
3012 ft.

Relative:
Higher

Actual:
471 ft.

CITY OF WORCESTER **SHWS** **S105914164**
53-65 CANTERBURY ST 85 GARDNER **Release** **N/A**
WORCESTER, MA 01608

SHWS:
Facility ID: 2-0014743
Site Status: TIERII
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 04/24/03
Category : 120 DY
Associated ID : -
Status Date : 05/03/04
Phase : PHASE II
Oil Or Haz Material : Oil and Hazardous Material
Response Action Outcome Class : Not reported
Action:
Date: 06/02/04
Type: Tier Classification
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6176
Action:
Date: 04/24/03
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/02/04
Type: Phase I
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6176
Chemical Released:
Chemical: ARSENIC
Amount: 30, micrograms per kilogram
Chemical Released:
Chemical: LEAD
Amount: 6800, micrograms per kilogram
Location Type: Not reported
Source Type: Not reported

CITY OF WORCESTER (Continued) **S105914164**

MA RELEASE:
Facility ID: 2-0014743
Primary ID: -
Facility Status: TIERII
Status Date: 05/03/04
Phase: PHASE II
Notification: 04/24/03
Category: 120 DY
Official City: WORCESTER
Action:
Date: 06/02/04
Type: Tier Classification
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6176
Action:
Date: 04/24/03
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/02/04
Type: Phase I
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6176
Chemical Released:
Chemical: ARSENIC
Amount: 30, micrograms per kilogram
Chemical Released:
Chemical: LEAD
Amount: 6800, micrograms per kilogram
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Oil and Hazardous Material

---

89 **HOBBS FASTENERS** **LUST** **S102403655**
WSW **1 APPIAN WAY** **Release** **N/A**
1/2-1 **WORCESTER, MA 01610** **INST CONTROL**
3053 ft.

Relative: Higher

Actual: 465 ft.

LUST:
Facility ID: 2-0011452
Site Status: Response Action Outcome
Source Type: UST
Release Town: WORCESTER
Notification Date : 10/23/96
Category : TWO HR
Associated ID : -
Status Date : 10/24/97
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A3

HOBBS FASTENERS (Continued) **S102403655**

Action:
Date: 06/07/01
Type: Response Action Outcome
Status: Action Audited
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Activity Use Limitaion: NOTICE
LSP Number: 2074
Action:
Date: 06/02/98
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 2074
Action:
Date: 05/02/97
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/07/01
Type: Activity and Use Limitation
Status: Action Audited
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 2074
Action:
Date: 10/23/96
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: FUEL OIL #2
Amount: 10, gallons
Chemical Released:
Chemical: FUEL OIL #2
Amount: 62000, micrograms per kilogram
Location Type: INDUSTRIAL
Source Type: UST

MA INSTITUTIONAL CONTROL:
Release Tracking Number: 2-0011452
Description : AUL received on 10/24/1997

MA RELEASE:
Facility ID: 2-0011452
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 10/24/97
Phase: Not reported
Notification: 10/23/96
Category: TWO HR
Official City: WORCESTER

HOBBS FASTENERS (Continued) **S102403655**

Action:
Date: 06/07/01
Type: Response Action Outcome
Status: Action Audited
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Activity Use Limitaion: NOTICE
LSP Number: 2074
Action:
Date: 06/02/98
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 2074
Action:
Date: 05/02/97
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/07/01
Type: Activity and Use Limitation
Status: Action Audited
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 2074
Action:
Date: 10/23/96
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: FUEL OIL #2
Amount: 10, gallons
Chemical Released:
Chemical: FUEL OIL #2
Amount: 62000, micrograms per kilogram
Location Type: INDUSTRIAL
Source Type: UST
Response Action Outcome Class : A3
Oil / Haz Material Type : Oil

---

90 **P&B AUTO REPAIR** **SHWS** **S100537296**
SE **707 MILLBURY ST** **Release** **N/A**
1/2-1 **WORCESTER, MA 01600**
3061 ft.

Relative:
Lower

Actual:
448 ft.

P&B AUTO REPAIR (Continued) **S100537296**

SHWS:
Facility ID: 2-0000995
Site Status: Response Action Outcome
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 07/01/93
Category : NONE
Associated ID : -
Status Date : 08/01/97
Phase : Not reported
Oil Or Haz Material : Not reported
Response Action Outcome Class : Not reported
Action:
Date: 07/01/93
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: Not reported
Location Type: Not reported
Source Type: Not reported

MA RELEASE:
Facility ID: 2-0000995
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 08/01/97
Phase: Not reported
Notification: 07/01/93
Category: NONE
Official City: WORCESTER
Action:
Date: 07/01/93
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: Not reported
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Not reported

91
NNW
1/2-1
3131 ft.

TRACTOR TRAILER ACCIDENT
350 SOUTHBRIDGE ST.
WORCESTER, MA 01608

SHWS
Release
MA Spills

S101045061
N/A

Relative:
Higher

Actual:
456 ft.

SHWS:
Facility ID: 2-0011676
Site Status: Response Action Outcome
Source Type: VEHICLE
Release Town: WORCESTER
Notification Date : 04/10/97
Category : TWO HR
Associated ID : -
Status Date : 05/15/97
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A1
Action:
Date: 05/15/97
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 1965
Action:
Date: 05/15/97
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/10/97
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/10/97
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: DIESEL FUEL
Amount: 25, gallons
Chemical Released:
Chemical: DIESEL FUEL
Amount: 30, gallons
Location Type: ROADWAY
Source Type: VEHICLE

TRACTOR TRAILER ACCIDENT (Continued) **S101045061**

MA RELEASE:
Facility ID: 2-0011676
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 05/15/97
Phase: Not reported
Notification: 04/10/97
Category: TWO HR
Official City: WORCESTER
Action:
Date: 05/15/97
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 1965
Action:
Date: 05/15/97
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/10/97
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/10/97
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: DIESEL FUEL
Amount: 25, gallons
Chemical Released:
Chemical: DIESEL FUEL
Amount: 30, gallons
Location Type: ROADWAY
Source Type: VEHICLE
Response Action Outcome Class : A1
Oil / Haz Material Type : Oil

MA Spills:
Facility ID: 0000
Staff Lead: CHILD, N
Last Entered: 12/08/1992
Spill Date: 12/08/1992
Spill Time: Not reported
Case Closed: YES
Virgin Waste: WASTE
Spill ID: C92-0617
Date Entered: Not reported
First Response: 12/08/1992
Report Date: 12/08/1992
Report Time: 06:50PM
Mat Type: BOTH
Contam Soil: Not reported

TRACTOR TRAILER ACCIDENT (Continued) **S101045061**

Env Impact:	Not reported	Other Impact:	Not reported
Material:	OTHER MATERIAL -->	Other Material:	DIESEL, ANTIFREEZE, OIL
CAS No:	Not reported	PCB Lev (ppm):	----------
Qty Reported:	11-50 GALLONS		
Qty Actual:	11-50 GALLONS		
Source:	VEH. FUEL TANK	Other Source:	Not reported
Incident:	M.V. ACCIDENT	Other Incdnt:	Not reported
Cleanup Type:	---	Contractor:	OTHER - UNSPECIFIED
Referral:	NO	LUST Elig:	NO
Notifier:	WORCESTER FD, FIRE FIGHTE		
Notif Tel:	Not reported		
Report Prep:	Not reported	Category:	Not reported
Days/Close:	1		

---

92 NE 1/2-1 3241 ft. **ST MARYS HIGHSCHOOL** **SHWS S104562353**
50 RICHLAND ST **Release N/A**
WORCESTER, MA

Relative: Higher

Actual: 507 ft.

SHWS:

Facility ID:	2-0013251
Site Status:	**Response Action Outcome**
Source Type:	PIPE
Release Town:	WORCESTER
Notification Date :	04/20/00
Category :	TWO HR
Associated ID :	-
Status Date :	08/24/00
Phase :	Not reported
Oil Or Haz Material :	Oil
Response Action Outcome Class :	A2

Action:

Date:	02/04/05
Type:	Response Action Outcome
Status:	Level I - Technical Screen Audit
Response Action Outcome:	A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion:	NONE
LSP Number:	6105

Action:

Date:	04/20/00
Type:	Release
Status:	REPORT
Response Action Outcome:	
Activity Use Limitaion:	
LSP Number:	Not reported

Action:

Date:	06/20/00
Type:	RNF
Status:	REPORT
Response Action Outcome:	
Activity Use Limitaion:	
LSP Number:	Not reported

Action:

Date:	06/20/00
Type:	Immediate Response
Status:	Written Plan Received
Response Action Outcome:	
Activity Use Limitaion:	

ST MARYS HIGHSCHOOL (Continued) **S104562353**

LSP Number: 6105
Chemical Released:
Chemical: FUEL OIL #2
Amount: 100, gallons
Location Type: SCHOOL
Source Type: PIPE

MA RELEASE:
Facility ID: 2-0013251
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 08/24/00
Phase: Not reported
Notification: 04/20/00
Category: TWO HR
Official City: WORCESTER
Action:
Date: 02/04/05
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: 6105
Action:
Date: 04/20/00
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/20/00
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/20/00
Type: Immediate Response
Status: Written Plan Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6105
Chemical Released:
Chemical: FUEL OIL #2
Amount: 100, gallons
Location Type: SCHOOL
Source Type: PIPE
Response Action Outcome Class : A2
Oil / Haz Material Type : Oil

V93
NNE
1/2-1
3299 ft.

Relative:
Higher

Actual:
463 ft.

WORCESTER HOUSING AUTHORITY
2 LAFAYETTE ST
WORCESTER, MA 01600

LUST **S100043235**
Release **N/A**

Site 1 of 2 in cluster V

LUST:
Facility ID: 2-0000623
Site Status: DEP No Further Action
Source Type: UST
Release Town: WORCESTER
Notification Date : 04/15/89
Category : NONE
Associated ID : -
Status Date : 03/28/96
Phase : Not reported
Oil Or Haz Material : Not reported
Response Action Outcome Class : Not reported
Action:
Date: 04/15/89
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: Not reported
Location Type: RESIDNTIAL
Source Type: UST

MA RELEASE:
Facility ID: 2-0000623
Primary ID: -
Facility Status: DEP No Further Action
Status Date: 03/28/96
Phase: Not reported
Notification: 04/15/89
Category: NONE
Official City: WORCESTER
Action:
Date: 04/15/89
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: Not reported
Location Type: RESIDNTIAL
Source Type: UST
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Not reported

V94 **TANKER THREAT** **SHWS** **S104482233**
NNE **CARPENTER ST** **Release** **N/A**
1/2-1 **WORCESTER, MA 01605**
3341 ft.

Site 2 of 2 in cluster V

Relative:
Higher

Actual:
464 ft.

SHWS:
Facility ID: 2-0013127
Site Status: Response Action Outcome
Source Type: TANKER
Release Town: WORCESTER
Notification Date : 01/18/00
Category : TWO HR
Associated ID : -
Status Date : 02/11/00
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A1
Action:
Date: 02/11/00
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 8762
Action:
Date: 01/18/00
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8762
Action:
Date: 01/18/00
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8762
Action:
Date: 02/11/00
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: FUEL OIL #2
Amount: 2000, gallons
Location Type: ROADWAY
Source Type: TANKER

TANKER THREAT (Continued) **S104482233**

MA RELEASE:
Facility ID: 2-0013127
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 02/11/00
Phase: Not reported
Notification: 01/18/00
Category: TWO HR
Official City: WORCESTER
Action:
Date: 02/11/00
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 8762
Action:
Date: 01/18/00
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8762
Action:
Date: 01/18/00
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8762
Action:
Date: 02/11/00
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: FUEL OIL #2
Amount: 2000, gallons
Location Type: ROADWAY
Source Type: TANKER
Response Action Outcome Class : A1
Oil / Haz Material Type : Oil

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95 NW 1/2-1 3446 ft.
Relative: Higher
Actual: 478 ft.

GKH PROJECT **Release** **S105596296**
65 TAINTER ST **LAST** **N/A**
WORCESTER, MA

LAST:
Facility ID: 2-0014418
Site Status: Response Action Outcome Not Required
Source Type: AST
Release Town: WORCESTER
Notification Date : 08/02/02
Category : 72 HR

GKH PROJECT (Continued) **S105596296**

Associated ID : 2-0014187
Status Date : 02/14/03
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : Not reported
Action:
Date: 02/14/03
Type: Tier Classification
Status: Transmittal Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/25/02
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8107
Action:
Date: 02/14/03
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8107
Action:
Date: 08/02/02
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: FUEL OIL #4
Amount: 2.3, inches
Location Type: COMMERCIAL
Source Type: AST

MA RELEASE:
Facility ID: 2-0014418
Primary ID: 2-0014187
Facility Status: Response Action Outcome Not Required
Status Date: 02/14/03
Phase: Not reported
Notification: 08/02/02
Category: 72 HR
Official City: WORCESTER
Action:
Date: 02/14/03
Type: Tier Classification
Status: Transmittal Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/25/02
Type: Immediate Response

GKH PROJECT (Continued) **S105596296**

Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8107
Action:
Date: 02/14/03
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8107
Action:
Date: 08/02/02
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: FUEL OIL #4
Amount: 2.3, inches
Location Type: COMMERCIAL
Source Type: AST
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Oil

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96 **ALS GARAGE** **SHWS** **S100537289**
SE **1 BALLARD ST** **Release** **N/A**
1/2-1 **WORCESTER, MA 01600**
3468 ft.

Relative:
Lower

Actual:
442 ft.

SHWS:
Facility ID: 2-0000987
Site Status: Waiver Completion Statement, Permanent
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 05/10/93
Category : NONE
Associated ID : -
Status Date : 04/02/96
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : Not reported
Action:
Date: 05/10/93
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: Not reported
Location Type: GASSTATION
Source Type: Not reported

ALS GARAGE (Continued) **S100537289**

MA RELEASE:
Facility ID: 2-0000987
Primary ID: -
Facility Status: Waiver Completion Statement, Permanent
Status Date: 04/02/96
Phase: Not reported
Notification: 05/10/93
Category: NONE
Official City: WORCESTER
Action:
Date: 05/10/93
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: Not reported
Location Type: GASSTATION
Source Type: Not reported
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Oil

W97 **SAM JAY REALTY TRUST FMR S&S** **SHWS** **S105199035**
SE **744 MILLBURY ST** **Release** **N/A**
1/2-1 **WORCESTER, MA 01600**
3479 ft.

Site 1 of 2 in cluster W

Relative: Lower

Actual: 442 ft.

SHWS:
Facility ID: 2-0000989
Site Status: TIERII
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 07/15/93
Category : NONE
Associated ID : -
Status Date : 04/30/99
Phase : PHASE IV
Oil Or Haz Material : Not reported
Response Action Outcome Class : Not reported
Action:
Date: 12/30/04
Type: Phase II
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 7062
Action:
Date: 12/30/04
Type: Phase III
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 09/30/05

SAM JAY REALTY TRUST FMR S&S (Continued) **S105199035**

Type: Release Abatement Measure
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 5217
Action:
Date: 08/15/05
Type: Phase IV
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/15/93
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/30/99
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/13/04
Type: Tier Classification
Status: PUBCOM
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: Not reported
Location Type: Not reported
Source Type: Not reported

MA RELEASE:
Facility ID: 2-0000989
Primary ID: -
Facility Status: TIERII
Status Date: 04/30/99
Phase: PHASE IV
Notification: 07/15/93
Category: NONE
Official City: WORCESTER
Action:
Date: 12/30/04
Type: Phase II
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 7062
Action:
Date: 12/30/04
Type: Phase III

SAM JAY REALTY TRUST FMR S&S (Continued) **S105199035**

Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 09/30/05
Type: Release Abatement Measure
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 5217
Action:
Date: 08/15/05
Type: Phase IV
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/15/93
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/30/99
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/13/04
Type: Tier Classification
Status: PUBCOM
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: Not reported
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Not reported

X98 **GIRLS CLUB** **LUST** **S102084376**
ENE **125 PROVIDENCE ST** **Release** **N/A**
1/2-1 **WORCESTER, MA 01604**
3522 ft.

Site 1 of 2 in cluster X

Relative: Higher

LUST:
Facility ID: 2-0010665
Actual: 606 ft. **Site Status: Response Action Outcome**
Source Type: UST
Release Town: WORCESTER
Notification Date : 02/14/95

GIRLS CLUB (Continued) **S102084376**

Category : TWO HR
Associated ID : -
Status Date : 07/21/95
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : Not reported
Action:
Date: 04/21/95
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/21/95
Type: Response Action Outcome
Status: Fee Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 02/14/95
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/21/95
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8959
Chemical Released:
Chemical: FUEL OIL #2
Amount: 600, gallons
Chemical Released:
Chemical: FUEL OIL #2
Amount: Not reported
Location Type: COMMERCIAL
Source Type: UST

MA RELEASE:
Facility ID: 2-0010665
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 07/21/95
Phase: Not reported
Notification: 02/14/95
Category: TWO HR
Official City: WORCESTER
Action:
Date: 04/21/95
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:

GIRLS CLUB (Continued) **S102084376**

LSP Number: Not reported
Action:
Date: 07/21/95
Type: Response Action Outcome
Status: Fee Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 02/14/95
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/21/95
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8959
Chemical Released:
Chemical: FUEL OIL #2
Amount: 600, gallons
Chemical Released:
Chemical: FUEL OIL #2
Amount: Not reported
Location Type: COMMERCIAL
Source Type: UST
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Oil

X99 **GIRLS INC** **LUST** **S104544771**
ENE **125 PROVIDENCE ST** **Release** **N/A**
1/2-1 **WORCESTER, MA 01604**
3522 ft.

Site 2 of 2 in cluster X

Relative: Higher

Actual: 606 ft.

LUST:
Facility ID: 2-0010796
Site Status: Response Action Outcome
Source Type: UST
Release Town: WORCESTER
Notification Date : 05/18/95
Category : 72 HR
Associated ID : -
Status Date : 07/21/95
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A2
Action:
Date: 07/21/95
Type: Response Action Outcome
Status: Fee Received
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: Not reported

GIRLS INC (Continued) **S104544771**

Action:
Date: 07/21/95
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 05/18/95
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8959
Action:
Date: 05/18/95
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: FUEL OIL #2
Amount: Not reported
Location Type: COMMERCIAL
Source Type: UST

MA RELEASE:
Facility ID: 2-0010796
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 07/21/95
Phase: Not reported
Notification: 05/18/95
Category: 72 HR
Official City: WORCESTER
Action:
Date: 07/21/95
Type: Response Action Outcome
Status: Fee Received
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 07/21/95
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 05/18/95
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8959

GIRLS INC (Continued) **S104544771**

Action:
Date: 05/18/95
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: FUEL OIL #2
Amount: Not reported
Location Type: COMMERCIAL
Source Type: UST
Response Action Outcome Class : A2
Oil / Haz Material Type : Oil

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100 SSW 1/2-1 3540 ft. **HOLY CROSS COLLEGE** **SHWS S102084660**
1 COLLEGE ST **LUST N/A**
WORCESTER, MA 01609 **Release**

Relative: Higher

Actual: 628 ft.

SHWS:
Facility ID: 2-0011061
Site Status: Response Action Outcome
Source Type: PIPE
Release Town: WORCESTER
Notification Date : 01/05/96
Category : TWO HR
Associated ID : -
Status Date : 02/29/96
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A1
Action:
Date: 02/29/96
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 3264
Action:
Date: 01/05/96
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 02/29/96
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/05/96
Type: Release
Status: REPORT
Response Action Outcome:

HOLY CROSS COLLEGE (Continued) **S102084660**

Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/05/96
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 3264
Chemical Released:
Chemical: FUEL OIL #6
Amount: 300, gallons
Location Type: ROADWAY
SCHOOL
Source Type: PIPE
TANKER
UST

Facility ID: 2-0011061
Site Status: Response Action Outcome
Source Type: TANKER
Release Town: WORCESTER
Notification Date : 01/05/96
Category : TWO HR
Associated ID : -
Status Date : 02/29/96
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A1
Action:
Date: 02/29/96
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 3264
Action:
Date: 01/05/96
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 02/29/96
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/05/96
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:

HOLY CROSS COLLEGE (Continued) **S102084660**

LSP Number: Not reported
Action:
Date: 01/05/96
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 3264
Chemical Released:
Chemical: FUEL OIL #6
Amount: 300, gallons
Location Type: ROADWAY
SCHOOL
Source Type: PIPE
TANKER
UST

Facility ID: 2-0015252
Site Status: Response Action Outcome
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 05/14/04
Category : 120 DY
Associated ID : -
Status Date : 11/12/04
Phase : Not reported
Oil Or Haz Material : Oil and Hazardous Material
Response Action Outcome Class : A2
Action:
Date: 11/19/04
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 05/14/04
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 09/29/04
Type: Release Abatement Measure
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1548
Chemical Released:
Chemical: 1,1'-BIPHENYL, CHLORO-DERIVS.
Amount: 138, micrograms per kilogram
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - OIL
Amount: 12000, micrograms per kilogram
Location Type: Not reported

HOLY CROSS COLLEGE (Continued) **S102084660**

Source Type: Not reported

Facility ID: 2-0015333
Site Status: Response Action Outcome
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 09/17/04
Category : TWO HR
Associated ID : -
Status Date : 09/23/04
Phase : Not reported
Oil Or Haz Material : Not reported
Response Action Outcome Class : A2
Action:
Date: 10/07/04
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 09/17/04
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 40, gallons
Location Type: Not reported
Source Type: Not reported

LUST:
Facility ID: 2-0011061
Site Status: Response Action Outcome
Source Type: UST
Release Town: WORCESTER
Notification Date : 01/05/96
Category : TWO HR
Associated ID : -
Status Date : 02/29/96
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A1
Action:
Date: 02/29/96
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 3264
Action:
Date: 01/05/96
Type: Release
Status: REPORT

HOLY CROSS COLLEGE (Continued) **S102084660**

Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 02/29/96
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/05/96
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/05/96
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 3264
Chemical Released:
Chemical: FUEL OIL #6
Amount: 300, gallons
Location Type: ROADWAY
SCHOOL
Source Type: PIPE
TANKER
UST

Facility ID: 2-0015396
Site Status: Response Action Outcome
Source Type: UST
Release Town: WORCESTER
Notification Date : 09/13/04
Category : 120 DY
Associated ID : -
Status Date : 07/15/05
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A2
Action:
Date: 07/22/05
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 02/15/05
Type: Release Abatement Measure
Status: Level I - Technical Screen Audit
Response Action Outcome:

HOLY CROSS COLLEGE (Continued) **S102084660**

Activity Use Limitaion:
LSP Number: 1548
Action:
Date: 09/13/04
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: FUEL OIL #6
Amount: .25, inches
Chemical Released:
Chemical: TOTAL PETROLEUM HYDROCARBONS (TPH)
Amount: 13900, micrograms per kilogram
Location Type: Not reported
Source Type: UST

MA RELEASE:
Facility ID: 2-0011061
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 02/29/96
Phase: Not reported
Notification: 01/05/96
Category: TWO HR
Official City: WORCESTER
Action:
Date: 02/29/96
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 3264
Action:
Date: 01/05/96
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 02/29/96
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/05/96
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/05/96

HOLY CROSS COLLEGE (Continued) **S102084660**

Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 3264
Chemical Released:
Chemical: FUEL OIL #6
Amount: 300, gallons
Location Type: ROADWAY
SCHOOL
Source Type: PIPE
TANKER
UST
Response Action Outcome Class : A1
Oil / Haz Material Type : Oil

Facility ID: 2-0015252
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 11/12/04
Phase: Not reported
Notification: 05/14/04
Category: 120 DY
Official City: WORCESTER
Action:
Date: 11/19/04
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 05/14/04
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 09/29/04
Type: Release Abatement Measure
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1548
Chemical Released:
Chemical: 1,1'-BIPHENYL, CHLORO-DERIVS.
Amount: 138, micrograms per kilogram
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - OIL
Amount: 12000, micrograms per kilogram
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : A2
Oil / Haz Material Type : Oil and Hazardous Material

HOLY CROSS COLLEGE (Continued) **S102084660**

Facility ID: 2-0015333
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 09/23/04
Phase: Not reported
Notification: 09/17/04
Category: TWO HR
Official City: WORCESTER
Action:
Date: 10/07/04
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 09/17/04
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 40, gallons
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : A2
Oil / Haz Material Type : Not reported

Facility ID: 2-0015396
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 07/15/05
Phase: Not reported
Notification: 09/13/04
Category: 120 DY
Official City: WORCESTER
Action:
Date: 07/22/05
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 02/15/05
Type: Release Abatement Measure
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1548
Action:
Date: 09/13/04

HOLY CROSS COLLEGE (Continued) **S102084660**

Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: FUEL OIL #6
Amount: .25, inches
Chemical Released:
Chemical: TOTAL PETROLEUM HYDROCARBONS (TPH)
Amount: 13900, micrograms per kilogram
Location Type: Not reported
Source Type: UST
Response Action Outcome Class : A2
Oil / Haz Material Type : Oil

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101 WNW 1/2-1 3548 ft. **GKH PROJECT AREA** **SHWS S105309250**
GARDNER / TAINTER ST **Release N/A**
WORCESTER, MA

Relative: Higher

Actual: 478 ft.

SHWS:
Facility ID: 2-0014187
Site Status: TIERII
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 02/08/02
Category : 120 DY
Associated ID : 2-0014187
Status Date : 02/14/03
Phase : PHASE II
Oil Or Haz Material : Oil and Hazardous Material
Response Action Outcome Class : Not reported
Action:
Date: 02/08/02
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 02/14/03
Type: Tier Classification
Status: LNKVTC
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8107
Action:
Date: 09/01/05
Type: Release Abatement Measure
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8107
Action:
Date: 02/27/03
Type: Phase I
Status: Level I - Technical Screen Audit
Response Action Outcome:

GKH PROJECT AREA (Continued) **S105309250**

Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: TOTAL PETROLEUM HYDROCARBONS (TPH)
Amount: 1400, micrograms per kilogram
Chemical Released:
Chemical: TOTAL PETROLEUM HYDROCARBONS (TPH)
Amount: 12, micrograms per liter
Chemical Released:
Chemical: LEAD
Amount: 621, micrograms per kilogram
Chemical Released:
Chemical: LEAD
Amount: 104, micrograms per liter
Chemical Released:
Chemical: ARSENIC
Amount: 40.8, micrograms per kilogram
Chemical Released:
Chemical: MERCURY
Amount: 79.2, micrograms per kilogram
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 12, micrograms per liter
Chemical Released:
Chemical: SILVER
Amount: 67.8, micrograms per liter
Chemical Released:
Chemical: CYANIDE
Amount: .032, micrograms per liter
Location Type: Not reported
Source Type: Not reported

MA RELEASE:
Facility ID: 2-0014187
Primary ID: 2-0014187
Facility Status: TIERII
Status Date: 02/14/03
Phase: PHASE II
Notification: 02/08/02
Category: 120 DY
Official City: WORCESTER
Action:
Date: 02/08/02
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 02/14/03
Type: Tier Classification
Status: LNKVTC
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8107
Action:
Date: 09/01/05
Type: Release Abatement Measure

GKH PROJECT AREA (Continued) **S105309250**

Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8107
Action:
Date: 02/27/03
Type: Phase I
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: TOTAL PETROLEUM HYDROCARBONS (TPH)
Amount: 1400, micrograms per kilogram
Chemical Released:
Chemical: TOTAL PETROLEUM HYDROCARBONS (TPH)
Amount: 12, micrograms per liter
Chemical Released:
Chemical: LEAD
Amount: 621, micrograms per kilogram
Chemical Released:
Chemical: LEAD
Amount: 104, micrograms per liter
Chemical Released:
Chemical: ARSENIC
Amount: 40.8, micrograms per kilogram
Chemical Released:
Chemical: MERCURY
Amount: 79.2, micrograms per kilogram
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 12, micrograms per liter
Chemical Released:
Chemical: SILVER
Amount: 67.8, micrograms per liter
Chemical Released:
Chemical: CYANIDE
Amount: .032, micrograms per liter
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Oil and Hazardous Material

W102 **STARR SCRAP METAL** **SHWS** **S103811280**
SE **753 MILLBURY ST** **Release** **N/A**
1/2-1 **WORCESTER, MA**
3565 ft.

Site 2 of 2 in cluster W

Relative:
Lower

Actual:
434 ft.

STARR SCRAP METAL (Continued) **S103811280**

SHWS:
Facility ID: 2-0012575
Site Status: Response Action Outcome Not Required
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 12/01/98
Category : 120 DY
Associated ID : 2-0000408
Status Date : 11/26/03
Phase : PHASE II
Oil Or Haz Material : Hazardous Material
Response Action Outcome Class : Not reported
Action:
Date: 02/18/00
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 2261
Action:
Date: 02/18/00
Type: Phase II
Status: Scope of Work Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/26/03
Type: Tier Classification
Status: LNKVTC
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/26/03
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 2261
Action:
Date: 11/25/03
Type: Tier Classification
Status: Statement or Transmittal Retracted
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 2261
Action:
Date: 12/01/98
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: ARSENIC
Amount: .11, micrograms per liter

STARR SCRAP METAL (Continued) **S103811280**

Chemical Released:
Chemical: LEAD
Amount: 660, micrograms per kilogram
Location Type: Not reported
Source Type: Not reported

MA RELEASE:
Facility ID: 2-0012575
Primary ID: 2-0000408
Facility Status: Response Action Outcome Not Required
Status Date: 11/26/03
Phase: PHASE II
Notification: 12/01/98
Category: 120 DY
Official City: WORCESTER
Action:
Date: 02/18/00
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 2261
Action:
Date: 02/18/00
Type: Phase II
Status: Scope of Work Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/26/03
Type: Tier Classification
Status: LNKVTC
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/26/03
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 2261
Action:
Date: 11/25/03
Type: Tier Classification
Status: Statement or Transmittal Retracted
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 2261
Action:
Date: 12/01/98
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:

STARR SCRAP METAL (Continued) **S103811280**

Chemical: ARSENIC
Amount: .11, micrograms per liter
Chemical Released:
Chemical: LEAD
Amount: 660, micrograms per kilogram
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Hazardous Material

Y103 **JJ NISSEN BAKING CO** **LUST** **S102084478**
SE **7 BALLARD ST** **Release** **N/A**
1/2-1 **WORCESTER, MA 01613**
3579 ft.

Site 1 of 2 in cluster Y

Relative:
Lower

Actual:
440 ft.

LUST:
Facility ID: 2-0010824
Site Status: **Response Action Outcome**
Source Type: UST
Release Town: WORCESTER
Notification Date : 06/15/95
Category : 72 HR
Associated ID : -
Status Date : 06/20/96
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A3
Action:
Date: 09/07/01
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Activity Use Limitaion: NOTICE
LSP Number: 9996
Action:
Date: 09/01/95
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/15/95
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 09/07/01
Type: Activity and Use Limitation
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9996
Action:
Date: 06/20/96

JJ NISSEN BAKING CO (Continued) **S102084478**

Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9996
Chemical Released:
Chemical: GASOLINE
Amount: 100, parts per million
Location Type: INDUSTRIAL
Source Type: UST

MA RELEASE:
Facility ID: 2-0010824
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 06/20/96
Phase: Not reported
Notification: 06/15/95
Category: 72 HR
Official City: WORCESTER
Action:
Date: 09/07/01
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Activity Use Limitaion: NOTICE
LSP Number: 9996
Action:
Date: 09/01/95
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/15/95
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 09/07/01
Type: Activity and Use Limitation
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9996
Action:
Date: 06/20/96
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9996
Chemical Released:
Chemical: GASOLINE

JJ NISSEN BAKING CO (Continued) **S102084478**

Amount: 100, parts per million
Location Type: INDUSTRIAL
Source Type: UST
Response Action Outcome Class : A3
Oil / Haz Material Type : Oil

Z104 **ST VINCENTS HOSP** **SHWS** **S104544882**
ENE **25 WINTHROP ST** **Release** **N/A**
1/2-1 **WORCESTER, MA 01610**
3607 ft.

Site 1 of 2 in cluster Z

Relative: Higher

SHWS:
Facility ID: 2-0011455
Actual: 615 ft.
Site Status: Response Action Outcome
Source Type: HYDRAULIC
Release Town: WORCESTER
Notification Date : 10/24/96
Category : TWO HR
Associated ID : 2-0000446
Status Date : 12/19/96
Phase : Not reported
Oil Or Haz Material : Not reported
Response Action Outcome Class : A1
Action:
Date: 12/19/96
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 8959
Action:
Date: 10/24/96
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8959
Action:
Date: 12/19/96
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/24/96
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 29, gallons
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 30, gallons

ST VINCENTS HOSP (Continued) **S104544882**

Location Type: MUNICIPAL
Source Type: HYDRAULIC
PISTON

Facility ID: 2-0011455
Site Status: Response Action Outcome
Source Type: PISTON
Release Town: WORCESTER
Notification Date : 10/24/96
Category : TWO HR
Associated ID : 2-0000446
Status Date : 12/19/96
Phase : Not reported
Oil Or Haz Material : Not reported
Response Action Outcome Class : A1
Action:
Date: 12/19/96
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 8959
Action:
Date: 10/24/96
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8959
Action:
Date: 12/19/96
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/24/96
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 29, gallons
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 30, gallons
Location Type: MUNICIPAL
Source Type: HYDRAULIC
PISTON

ST VINCENTS HOSP (Continued) **S104544882**

MA RELEASE:
Facility ID: 2-0011455
Primary ID: 2-0000446
Facility Status: Response Action Outcome
Status Date: 12/19/96
Phase: Not reported
Notification: 10/24/96
Category: TWO HR
Official City: WORCESTER
Action:
Date: 12/19/96
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 8959
Action:
Date: 10/24/96
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8959
Action:
Date: 12/19/96
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/24/96
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 29, gallons
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 30, gallons
Location Type: MUNICIPAL
Source Type: HYDRAULIC
PISTON
Response Action Outcome Class : A1
Oil / Haz Material Type : Not reported

Z105
ENE
1/2-1
3607 ft.

MBI INNOVATION CTR
25 WINTHROP ST
WORCESTER, MA 01604

RCRA-SQG
SHWS
FINDS
Release

1000433237
MAD075345561

Site 2 of 2 in cluster Z

Relative:
Higher

Actual:
615 ft.

RCRAInfo:
Owner: VERNON HILL DEVELOPMENT REALTY LLC
EPA ID: MAD075345561

Contact: PAUL R STRNISTE
(508) 798-6234

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: 340(1b)
Area of Violation: CONTAINER MGT=SAT'LITE ACCUMS/CONTAINER
Date Violation Determined: 03/16/2000
Actual Date Achieved Compliance: 06/02/2000

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 05/02/2000
Penalty Type: Not reported

Regulation Violated: 351(9)
Area of Violation: PREPARDNESS AND PREVENTION
Date Violation Determined: 03/16/2000
Actual Date Achieved Compliance: 06/02/2000

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 05/02/2000
Penalty Type: Not reported

Regulation Violated: 302
Area of Violation: HAZARDOUS WASTE DETERMINATIONS
Date Violation Determined: 03/16/2000
Actual Date Achieved Compliance: 06/02/2000

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 05/02/2000
Penalty Type: Not reported

Regulation Violated: 685(1)
Area of Violation: CONTAINER MGT=SAT'LITE ACCUMS/CONTAINER
Date Violation Determined: 03/16/2000
Actual Date Achieved Compliance: 06/02/2000

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 05/02/2000
Penalty Type: Not reported

Regulation Violated: 254(4)
Area of Violation: MAWOV
Date Violation Determined: 03/16/2000
Actual Date Achieved Compliance: 06/02/2000

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 05/02/2000
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 11/02/1984

MBI INNOVATION CTR (Continued) **1000433237**

Actual Date Achieved Compliance: 12/26/1984

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 11/28/1984
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 11/02/1984
Actual Date Achieved Compliance: 06/02/2000

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 05/02/2000
Penalty Type: Not reported

There are 7 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Detailed Multimedia Inspection	CONTAINER MGT=SAT'LITE ACCUMS/CONTAINER	20000602
	PREPARDNESS AND PREVENTION	20000602
	HAZARDOUS WASTE DETERMINATIONS	20000602
	CONTAINER MGT=SAT'LITE ACCUMS/CONTAINER	20000602
	MAWOV	20000602
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19841226
	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	20000602

FINDS:
Other Pertinent Environmental Activity Identified at Site:
AEROMETRIC INFORMATION RETRIEVAL SYSTEM/AIRS FACILITY SYSTEM
NATIONAL EMISSIONS INVENTORY

SHWS:
Facility ID: 2-0015145
Site Status: Response Action Outcome
Source Type: PIPE
Release Town: WORCESTER
Notification Date : 03/03/04
Category : TWO HR
Associated ID : -
Status Date : 03/18/04
Phase : Not reported
Oil Or Haz Material : Not reported
Response Action Outcome Class : A1
Action:
Date: 03/30/04
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 03/03/04
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 3266
Action:

MBI INNOVATION CTR (Continued) **1000433237**

Date: 03/18/04
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/03/04
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 3266
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 25, gallons
Location Type: OTHER
Source Type: PIPE

Facility ID: 2-0010586
Site Status: Response Action Outcome
Source Type: TANKER
Release Town: WORCESTER
Notification Date : 12/16/94
Category : TWO HR
Associated ID : -
Status Date : 07/31/01
Phase : PHASE IV
Oil Or Haz Material : Oil
Response Action Outcome Class : Not reported
Action:
Date: 07/10/96
Type: Partial Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion:
LSP Number: 8959
Action:
Date: 09/18/03
Type: Response Action Outcome
Status: Revised Statement or Transmittal Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/09/00
Type: Phase III
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/31/01
Type: Release Abatement Measure
Status: Completion Statement Received
Response Action Outcome:

MBI INNOVATION CTR (Continued) **1000433237**

Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 02/14/95
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 12/16/94
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/09/00
Type: Phase II
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 12/21/95
Type: Tier Classification
Status: Tier 2 Classification
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8959
Action:
Date: 12/16/94
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 02/14/95
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8959
Action:
Date: 01/23/95
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 12/21/95
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:

MBI INNOVATION CTR (Continued) **1000433237**

LSP Number: 8959
Chemical Released:
Chemical: FUEL OIL #2
Amount: 1050, gallons
Chemical Released:
Chemical: DIESEL FUEL
Amount: 1050, gallons
Location Type: HOSPITAL
Source Type: TANKER

Facility ID: 2-0010647
Site Status: Response Action Outcome
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 02/02/95
Category : 72 HR
Associated ID : 2-0010586
Status Date : 07/31/01
Phase : PHASE IV
Oil Or Haz Material : Oil
Response Action Outcome Class : C
Action:
Date: 09/23/03
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A temporary solution, which ensures the elimination of any substantialhazard, has been achieved at the disposal site.
Activity Use Limitaion: NONE
LSP Number: 8959
Action:
Date: 12/21/95
Type: Tier Classification
Status: Tier 2 Classification
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 02/02/95
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/09/00
Type: Phase III
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8959
Action:
Date: 07/31/01
Type: Release Abatement Measure
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8959

MBI INNOVATION CTR (Continued) **1000433237**

Action:
Date: 06/09/00
Type: Phase II
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8959
Action:
Date: 08/04/97
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8959
Action:
Date: 04/03/95
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/10/96
Type: Partial Response Action Outcome
Status: RAO Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 12/21/95
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: FUEL OIL #6
Amount: 12, inches
Chemical Released:
Chemical: FUEL OIL #6
Amount: Not reported
Chemical Released:
Chemical: FUEL OIL #2
Amount: Not reported
Location Type: Not reported
Source Type: Not reported

MA RELEASE:
Facility ID: 2-0010586
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 07/31/01
Phase: PHASE IV
Notification: 12/16/94
Category: TWO HR
Official City: WORCESTER
Action:
Date: 07/10/96

MBI INNOVATION CTR (Continued) **1000433237**

Type: Partial Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion:
LSP Number: 8959
Action:
Date: 09/18/03
Type: Response Action Outcome
Status: Revised Statement or Transmittal Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/09/00
Type: Phase III
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/31/01
Type: Release Abatement Measure
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 02/14/95
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 12/16/94
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/09/00
Type: Phase II
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 12/21/95
Type: Tier Classification
Status: Tier 2 Classification
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8959
Action:
Date: 12/16/94

MBI INNOVATION CTR (Continued) **1000433237**

Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 02/14/95
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8959
Action:
Date: 01/23/95
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 12/21/95
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8959
Chemical Released:
Chemical: FUEL OIL #2
Amount: 1050, gallons
Chemical Released:
Chemical: DIESEL FUEL
Amount: 1050, gallons
Location Type: HOSPITAL
Source Type: TANKER
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Oil

Facility ID: 2-0010647
Primary ID: 2-0010586
Facility Status: Response Action Outcome
Status Date: 07/31/01
Phase: PHASE IV
Notification: 02/02/95
Category: 72 HR
Official City: WORCESTER
Action:
Date: 09/23/03
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A temporary solution, which ensures the elimination of any substantialhazard, has been achieved at the disposal site.
Activity Use Limitaion: NONE
LSP Number: 8959
Action:
Date: 12/21/95
Type: Tier Classification
Status: Tier 2 Classification

MBI INNOVATION CTR (Continued) **1000433237**

Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 02/02/95
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/09/00
Type: Phase III
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8959
Action:
Date: 07/31/01
Type: Release Abatement Measure
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8959
Action:
Date: 06/09/00
Type: Phase II
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8959
Action:
Date: 08/04/97
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8959
Action:
Date: 04/03/95
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/10/96
Type: Partial Response Action Outcome
Status: RAO Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 12/21/95
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:

MBI INNOVATION CTR (Continued) **1000433237**

Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: FUEL OIL #6
Amount: 12, inches
Chemical Released:
Chemical: FUEL OIL #6
Amount: Not reported
Chemical Released:
Chemical: FUEL OIL #2
Amount: Not reported
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : C
Oil / Haz Material Type : Oil

Facility ID: 2-0015145
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 03/18/04
Phase: Not reported
Notification: 03/03/04
Category: TWO HR
Official City: WORCESTER
Action:
Date: 03/30/04
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 03/03/04
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 3266
Action:
Date: 03/18/04
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/03/04
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 3266
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 25, gallons
Location Type: OTHER

MBI INNOVATION CTR (Continued) **1000433237**

Source Type: PIPE
Response Action Outcome Class : A1
Oil / Haz Material Type : Not reported

Y106 **OLD US STEEL FACILITY** **SHWS** **S101026913**
SE **MILLBURY / BALLARD STS.** **Release** **N/A**
1/2-1 **WORCESTER, MA** **MA Spills**
3634 ft.

Site 2 of 2 in cluster Y

Relative: Lower

Actual: 440 ft.

SHWS:
Facility ID: 2-0011166
Site Status: **Response Action Outcome**
Source Type: UNKNOWN
Release Town: MILLBURY
Notification Date : 03/18/96
Category : 120 DY
Associated ID : -
Status Date : 12/16/96
Phase : Not reported
Oil Or Haz Material : Hazardous Material
Response Action Outcome Class : B1
Action:
Date: 12/16/96
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.
Activity Use Limitaion: NONE
LSP Number: 8107
Action:
Date: 12/03/96
Type: Release Abatement Measure
Status: Presumptive Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8107
Action:
Date: 03/18/96
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: BENZO[A]PYRENE
Amount: 15, parts per million
Chemical Released:
Chemical: BENZ[A]ANTHRACENE
Amount: 17, parts per million
Chemical Released:
Chemical: BENZ[E]ACEPHENANTHRYLENE
Amount: 9.1, parts per million
Chemical Released:
Chemical: CHRYSENE
Amount: 1.3, parts per million
Chemical Released:
Chemical: DIBENZ[A,H]ANTHRACENE
Amount: 1.3, parts per million

OLD US STEEL FACILITY (Continued) **S101026913**

Chemical Released:
Chemical: INDENO(1,2,3-CD)PYRENE
Amount: 3.3, parts per million
Location Type: EO350
STATE
Source Type: UNKNOWN

MA RELEASE:
Facility ID: 2-0011166
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 12/16/96
Phase: Not reported
Notification: 03/18/96
Category: 120 DY
Official City: MILLBURY
Action:
Date: 12/16/96
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.
Activity Use Limitaion: NONE
LSP Number: 8107
Action:
Date: 12/03/96
Type: Release Abatement Measure
Status: Presumptive Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 8107
Action:
Date: 03/18/96
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: BENZO[A]PYRENE
Amount: 15, parts per million
Chemical Released:
Chemical: BENZ[A]ANTHRACENE
Amount: 17, parts per million
Chemical Released:
Chemical: BENZ[E]ACEPHENANTHRYLENE
Amount: 9.1, parts per million
Chemical Released:
Chemical: CHRYSENE
Amount: 1.3, parts per million
Chemical Released:
Chemical: DIBENZ[A,H]ANTHRACENE
Amount: 1.3, parts per million
Chemical Released:
Chemical: INDENO(1,2,3-CD)PYRENE
Amount: 3.3, parts per million
Location Type: EO350
STATE

OLD US STEEL FACILITY (Continued) **S101026913**

Source Type: UNKNOWN
Response Action Outcome Class : B1
Oil / Haz Material Type : Hazardous Material

MA Spills:

Facility ID:	0000	Spill ID:	C86-0087
Staff Lead:	STEINBERG, P	Date Entered:	Not reported
Last Entered:	04/01/1986	First Response:	04/01/1986
Spill Date:	04/01/1986	Report Date:	04/01/1986
Spill Time:	Not reported	Report Time:	02:00PM
Case Closed:	YES	Mat Type:	HAZARDOUS
Virgin Waste:	WASTE	Contam Soil:	Not reported
Env Impact:	Not reported	Other Impact:	Not reported
Material:	OTHER MATERIAL -->	Other Material:	CLEANING SOLVENTS
CAS No:	Not reported	PCB Lev (ppm):	NONE
Qty Reported:	UNKNOWN ----------		
Qty Actual:	UNKNOWN ----------		
Source:	OTHER SOURCE >	Other Source:	TRACTOR TRAILER
Incident:	OTHER RELEASE >	Other Incdnt:	WASHING/WATER
Cleanup Type:	---	Contractor:	NOT USED
Referral:	WPC	LUST Elig:	NO
Notifier:	B MILEY/TEAMSTER UNION LO		
Notif Tel:	Not reported		
Report Prep:	Not reported	Category:	Not reported
Days/Close:	1		

---

107 East 1/2-1 3683 ft. **DENNIS SHINE POOL** **SHWS** **S102084825**
184 PROVIDENCE ST **Release** **N/A**
WORCESTER, MA 01604

Relative: Higher

Actual: 566 ft.

SHWS:
Facility ID: 2-0011298
Site Status: Response Action Outcome
Source Type: PIPE
Release Town: WORCESTER
Notification Date : 07/03/96
Category : TWO HR
Associated ID : -
Status Date : 07/23/96
Phase : Not reported
Oil Or Haz Material : Hazardous Material
Response Action Outcome Class : A1
Action:
Date: 07/23/96
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 3266
Action:
Date: 07/23/96
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:

DENNIS SHINE POOL (Continued) **S102084825**

Date: 07/03/96
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: HYPOCHLOROUS ACID, SODIUM SALT
Amount: 25, gallons
Location Type: STATE
Source Type: PIPE

MA RELEASE:
Facility ID: 2-0011298
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 07/23/96
Phase: Not reported
Notification: 07/03/96
Category: TWO HR
Official City: WORCESTER
Action:
Date: 07/23/96
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 3266
Action:
Date: 07/23/96
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/03/96
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: HYPOCHLOROUS ACID, SODIUM SALT
Amount: 25, gallons
Location Type: STATE
Source Type: PIPE
Response Action Outcome Class : A1
Oil / Haz Material Type : Hazardous Material

108
North
1/2-1
3735 ft.

WORCESTER STORAGE CO
HERMON ST
WORCESTER, MA 01608

SHWS
Release

S102403594
N/A

Relative:
Higher

Actual:
455 ft.

SHWS:
Facility ID: 2-0011305
Site Status: Response Action Outcome
Source Type: VEHICLE
Release Town: WORCESTER
Notification Date : 07/14/96
Category : TWO HR
Associated ID : -
Status Date : 09/12/96
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A1
Action:
Date: 09/12/96
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 9763
Action:
Date: 09/12/96
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/14/96
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/14/96
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: DIESEL FUEL
Amount: 80, gallons
Location Type: COMMERCIAL
INDUSTRIAL
ROADWAY
Source Type: VEHICLE

WORCESTER STORAGE CO (Continued) **S102403594**

MA RELEASE:
Facility ID: 2-0011305
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 09/12/96
Phase: Not reported
Notification: 07/14/96
Category: TWO HR
Official City: WORCESTER
Action:
Date: 09/12/96
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 9763
Action:
Date: 09/12/96
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/14/96
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/14/96
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: DIESEL FUEL
Amount: 80, gallons
Location Type: COMMERCIAL
INDUSTRIAL
ROADWAY
Source Type: VEHICLE
Response Action Outcome Class : A1
Oil / Haz Material Type : Oil

AA109 **BETWEEN PETERSON & IRISH PUB** **SHWS** **S105124886**
SE **MILLBURY ST** **Release** **N/A**
1/2-1 **WORCESTER, MA**
3735 ft.

Site 1 of 3 in cluster AA

Relative:
Lower

Actual:
426 ft.

BETWEEN PETERSON & IRISH PUB (Continued) **S105124886**

SHWS:
Facility ID: 2-0013873
Site Status: Response Action Outcome
Source Type: UNKNOWN
Release Town: WORCESTER
Notification Date : 06/22/01
Category : TWO HR
Associated ID : -
Status Date : 07/18/02
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A1
Action:
Date: 07/18/02
Type: Response Action Outcome DEP Lead
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 07/18/02
Type: Immediate Response Action - DEP Lead
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/22/01
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - OIL
Amount: Not reported
Location Type: ROADWAY
Source Type: UNKNOWN

MA RELEASE:
Facility ID: 2-0013873
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 07/18/02
Phase: Not reported
Notification: 06/22/01
Category: TWO HR
Official City: WORCESTER
Action:
Date: 07/18/02
Type: Response Action Outcome DEP Lead
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: Not reported

BETWEEN PETERSON & IRISH PUB (Continued) **S105124886**

Action:
Date: 07/18/02
Type: Immediate Response Action - DEP Lead
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/22/01
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - OIL
Amount: Not reported
Location Type: ROADWAY
Source Type: UNKNOWN
Response Action Outcome Class : A1
Oil / Haz Material Type : Oil

AA110 **DRYDEN OIL CO** **SHWS** **S103811094**
SE **MILLBURY ST** **Release** **N/A**
1/2-1 **WORCESTER, MA 01613**
3735 ft.

Site 2 of 3 in cluster AA

Relative:
Lower

Actual:
426 ft.

SHWS:
Facility ID: 2-0013084
Site Status: TIER1D
Source Type: UNKNOWN
Release Town: WORCESTER
Notification Date : 12/21/99
Category : 120 DY
Associated ID : -
Status Date : 12/28/00
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : Not reported
Action:
Date: 02/24/00
Type: Utility-related Abatement Measure
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4638
Action:
Date: 12/21/99
Type: Utility-related Abatement Measure
Status: Notice of Intent to Conduct a URAM
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4638
Action:
Date: 12/21/99
Type: Release
Status: REPORT
Response Action Outcome:

DRYDEN OIL CO (Continued) **S103811094**

Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: OIL
Amount: Not reported
Location Type: COMMERCIAL
INDUSTRIAL
Source Type: UNKNOWN

Facility ID: 2-0010392
Site Status: Response Action Outcome
Source Type: PIPE
Release Town: WORCESTER
Notification Date : 07/20/94
Category : TWO HR
Associated ID : -
Status Date : 09/16/94
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A1
Action:
Date: 09/16/94
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 6247
Action:
Date: 08/03/94
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/20/94
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6247
Action:
Date: 07/20/94
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: CUTTING OIL
Amount: 25, gallons
Chemical Released:
Chemical: LUBRICATING OIL
Amount: Not reported
Location Type: COMMERCIAL
Source Type: PIPE

DRYDEN OIL CO (Continued) **S103811094**

MA RELEASE:
Facility ID: 2-0010392
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 09/16/94
Phase: Not reported
Notification: 07/20/94
Category: TWO HR
Official City: WORCESTER
Action:
Date: 09/16/94
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 6247
Action:
Date: 08/03/94
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/20/94
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6247
Action:
Date: 07/20/94
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: CUTTING OIL
Amount: 25, gallons
Chemical Released:
Chemical: LUBRICATING OIL
Amount: Not reported
Location Type: COMMERCIAL
Source Type: PIPE
Response Action Outcome Class : A1
Oil / Haz Material Type : Oil

Facility ID: 2-0013084
Primary ID: -
Facility Status: TIER1D
Status Date: 12/28/00
Phase: Not reported
Notification: 12/21/99
Category: 120 DY
Official City: WORCESTER

DRYDEN OIL CO (Continued) **S103811094**

Action:
Date: 02/24/00
Type: Utility-related Abatement Measure
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4638
Action:
Date: 12/21/99
Type: Utility-related Abatement Measure
Status: Notice of Intent to Conduct a URAM
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4638
Action:
Date: 12/21/99
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: OIL
Amount: Not reported
Location Type: COMMERCIAL
INDUSTRIAL
Source Type: UNKNOWN
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Oil

AA111 **TIPPERARY PUB** **SHWS** **S103811279**
SE **735 737 MILLBURY ST** **Release** **N/A**
1/2-1 **WORCESTER, MA**
3742 ft.

Site 3 of 3 in cluster AA

Relative:
Lower

Actual:
438 ft.

SHWS:
Facility ID: 2-0012574
Site Status: **Response Action Outcome**
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 12/01/98
Category : 120 DY
Associated ID : -
Status Date : 04/20/04
Phase : PHASE III
Oil Or Haz Material : Hazardous Material
Response Action Outcome Class : B1
Action:
Date: 05/18/04
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 12/01/98
Type: RNF

TIPPERARY PUB (Continued) **S103811279**

Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 05/18/04
Type: Phase II
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9719
Action:
Date: 02/24/04
Type: Phase I
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 2261
Action:
Date: 02/24/04
Type: Tier Classification
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 2261
Chemical Released:
Chemical: LEAD
Amount: 1800, micrograms per kilogram
Location Type: Not reported
Source Type: Not reported

MA RELEASE:
Facility ID: 2-0012574
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 04/20/04
Phase: PHASE III
Notification: 12/01/98
Category: 120 DY
Official City: WORCESTER
Action:
Date: 05/18/04
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 12/01/98
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 05/18/04
Type: Phase II

TIPPERARY PUB (Continued) **S103811279**

Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9719
Action:
Date: 02/24/04
Type: Phase I
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 2261
Action:
Date: 02/24/04
Type: Tier Classification
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 2261
Chemical Released:
Chemical: LEAD
Amount: 1800, micrograms per kilogram
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : B1
Oil / Haz Material Type : Hazardous Material

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112 **WORCESTER PUBLIC SCHOOLS** **SHWS** **S106863304**
ESE **211 PROVIDENCE ST** **Release** **N/A**
1/2-1 **WORCESTER, MA**
3770 ft.

Relative: Higher

Actual: 553 ft.

SHWS:
Facility ID: 2-0015700
Site Status: Response Action Outcome
Source Type: PIPE
Release Town: WORCESTER
Notification Date : 04/17/05
Category : TWO HR
Associated ID : -
Status Date : 06/17/05
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A1
Action:
Date: 06/30/05
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 06/15/05
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:

WORCESTER PUBLIC SCHOOLS (Continued) **S106863304**

Date: 04/18/05
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1217
Action:
Date: 04/17/05
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: 1300, gallons
Location Type: MUNICIPAL
Source Type: PIPE

MA RELEASE:
Facility ID: 2-0015700
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 06/17/05
Phase: Not reported
Notification: 04/17/05
Category: TWO HR
Official City: WORCESTER
Action:
Date: 06/30/05
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 06/15/05
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/18/05
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1217
Action:
Date: 04/17/05
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:

WORCESTER PUBLIC SCHOOLS (Continued) **S106863304**

Chemical: PETROLEUM BASED OIL
Amount: 1300, gallons
Location Type: MUNICIPAL
Source Type: PIPE
Response Action Outcome Class : A1
Oil / Haz Material Type : Oil

113
WNW
1/2-1
3858 ft.

GRAND INDUSTRIAL PARK **SHWS** **S102687065**
93-95 GRAND ST **LUST** **N/A**
WORCESTER, MA 01600 **Release**

Relative:
Higher

Actual:
482 ft.

SHWS:
Facility ID: 2-0001069
Site Status: TCLASS
Source Type: DRUMS
Release Town: WORCESTER
Notification Date : 09/20/93
Category : NONE
Associated ID : -
Status Date : 06/15/05
Phase : PHASE II
Oil Or Haz Material : Oil
Response Action Outcome Class : Not reported
Action:
Date: 09/20/93
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/08/05
Type: Tier Classification
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/08/05
Type: Phase I
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: WASTE OIL
Amount: Not reported
Location Type: INDUSTRIAL
Source Type: DRUMS
FLOORDRAIN
UST

GRAND INDUSTRIAL PARK (Continued) **S102687065**

Facility ID: 2-0001069
Site Status: TCLASS
Source Type: FLOORDRAIN
Release Town: WORCESTER
Notification Date : 09/20/93
Category : NONE
Associated ID : -
Status Date : 06/15/05
Phase : PHASE II
Oil Or Haz Material : Oil
Response Action Outcome Class : Not reported
Action:
Date: 09/20/93
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/08/05
Type: Tier Classification
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/08/05
Type: Phase I
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: WASTE OIL
Amount: Not reported
Location Type: INDUSTRIAL
Source Type: DRUMS
FLOORDRAIN
UST

LUST:
Facility ID: 2-0001069
Site Status: TCLASS
Source Type: UST
Release Town: WORCESTER
Notification Date : 09/20/93
Category : NONE
Associated ID : -
Status Date : 06/15/05
Phase : PHASE II
Oil Or Haz Material : Oil
Response Action Outcome Class : Not reported
Action:
Date: 09/20/93
Type: Release
Status: TCTRNS
Response Action Outcome:

GRAND INDUSTRIAL PARK (Continued) **S102687065**

Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/08/05
Type: Tier Classification
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/08/05
Type: Phase I
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: WASTE OIL
Amount: Not reported
Location Type: INDUSTRIAL
Source Type: DRUMS
FLOORDRAIN
UST

MA RELEASE:
Facility ID: 2-0001069
Primary ID: -
Facility Status: TCLASS
Status Date: 06/15/05
Phase: PHASE II
Notification: 09/20/93
Category: NONE
Official City: WORCESTER
Action:
Date: 09/20/93
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/08/05
Type: Tier Classification
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/08/05
Type: Phase I
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: WASTE OIL
Amount: Not reported
Location Type: INDUSTRIAL

GRAND INDUSTRIAL PARK (Continued) **S102687065**

Source Type: DRUMS
FLOORDRAIN
UST
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Oil

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114 **GRAND ST ABANDONED DRUMS** **SHWS** **S105914081**
WNW **65 GRAND ST** **Release** **N/A**
1/2-1 **WORCESTER, MA**
4074 ft.

Relative:
Higher

Actual:
483 ft.

SHWS:
Facility ID: 2-0014811
Site Status: TIER1D
Source Type: DRUMS
Release Town: WORCESTER
Notification Date : 06/17/03
Category : TWO HR
Associated ID : -
Status Date : 06/25/04
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : Not reported
Action:
Date: 06/17/03
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/17/03
Type: Immediate Response Action - DEP Lead
Status: Work Started
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: WASTE OIL
Amount: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - OIL
Amount: Not reported
Location Type: COMMERCIAL
INDUSTRIAL
Source Type: DRUMS

MA RELEASE:
Facility ID: 2-0014811
Primary ID: -
Facility Status: TIER1D
Status Date: 06/25/04
Phase: Not reported
Notification: 06/17/03
Category: TWO HR
Official City: WORCESTER
Action:
Date: 06/17/03
Type: Release

GRAND ST ABANDONED DRUMS (Continued) **S105914081**

Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/17/03
Type: Immediate Response Action - DEP Lead
Status: Work Started
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: WASTE OIL
Amount: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - OIL
Amount: Not reported
Location Type: COMMERCIAL
INDUSTRIAL
Source Type: DRUMS
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Oil

AB115 **STANLEY TOOLS WORCESTER PLT** **RCRA-SQG** **1000268774**
NNE **149 WASHINGTON ST** **SHWS** **MAD001129519**
1/2-1 **WORCESTER, MA 01610** **FINDS**
4118 ft. **Release**
RAATS
Site 1 of 3 in cluster AB **CT MANIFEST**

Relative:
Higher

Actual:
453 ft.

RCRAInfo:
Owner: PARKER MANUFACTURING CO
EPA ID: MAD001129519

Contact: JEFF MILOS
(508) 795-0909

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: 302
Area of Violation: HAZARDOUS WASTE DETERMINATIONS
Date Violation Determined: 06/15/1995
Actual Date Achieved Compliance: 06/15/2000

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 07/18/1995
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 02/09/1990
Actual Date Achieved Compliance: 05/29/1990

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 03/05/1990
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-LAND BAN REQUIREMENTS
Date Violation Determined: 02/09/1990

STANLEY TOOLS WORCESTER PLT (Continued) **1000268774**

Actual Date Achieved Compliance: 07/02/1990

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 06/20/1990
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 12/14/1983
Actual Date Achieved Compliance: 03/10/1984

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 12/15/1983
Penalty Type: Not reported

There are 4 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	HAZARDOUS WASTE DETERMINATIONS	20000615
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19900529
	GENERATOR-LAND BAN REQUIREMENTS	19900702
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19840310

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
AEROMETRIC INFORMATION RETRIEVAL SYSTEM/AIRS FACILITY SYSTEM
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM
TOXIC CHEMICAL RELEASE INVENTORY SYSTEM

SHWS:
Facility ID: 2-0010760
Site Status: REMOPS
Source Type: UNKNOWN
Release Town: WORCESTER
Notification Date : 04/21/95
Category : 120 DY
Associated ID : 2-0010760
Status Date : 11/16/04
Phase : PHASE V
Oil Or Haz Material : Oil and Hazardous Material
Response Action Outcome Class : Not reported
Action:
Date: 10/19/05
Type: Partial Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.
Activity Use Limitaion: NONE
LSP Number: 6048
Action:
Date: 11/16/04
Type: Phase IV
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:

STANLEY TOOLS WORCESTER PLT (Continued) **1000268774**

LSP Number: 9256
Action:
Date: 04/21/95
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 12/30/96
Type: Phase II
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 3370
Action:
Date: 05/11/05
Type: Phase V
Status: Action, Status, or AUL Terminated
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9256
Action:
Date: 04/21/95
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 3370
Action:
Date: 10/02/03
Type: Tier Classification
Status: Tier 2 Extension
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 3370
Action:
Date: 07/12/04
Type: Release Abatement Measure
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9256
Action:
Date: 07/29/04
Type: Phase III
Status: Revised Statement or Transmittal Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9256
Action:
Date: 07/30/04
Type: Release Abatement Measure
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 3370

STANLEY TOOLS WORCESTER PLT (Continued) **1000268774**

Action:
Date: 04/21/95
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: TOTAL PETROLEUM HYDROCARBONS (TPH)
Amount: 160000, micrograms per kilogram
Chemical Released:
Chemical: TOTAL PETROLEUM HYDROCARBONS (TPH)
Amount: Not reported
Chemical Released:
Chemical: ETHENE, TRICHLORO-
Amount: 415, micrograms per kilogram
Chemical Released:
Chemical: ARSENIC
Amount: 40.1, micrograms per kilogram
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - HAZARDOUS MATERIAL
Amount: Not reported
Location Type: COMMERCIAL
INDUSTRIAL
Source Type: UNKNOWN

MA RELEASE:
Facility ID: 2-0010760
Primary ID: 2-0010760
Facility Status: REMOPS
Status Date: 11/16/04
Phase: PHASE V
Notification: 04/21/95
Category: 120 DY
Official City: WORCESTER
Action:
Date: 10/19/05
Type: Partial Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.
Activity Use Limitaion: NONE
LSP Number: 6048
Action:
Date: 11/16/04
Type: Phase IV
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9256
Action:
Date: 04/21/95
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:

STANLEY TOOLS WORCESTER PLT (Continued) **1000268774**

Date: 12/30/96
Type: Phase II
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 3370
Action:
Date: 05/11/05
Type: Phase V
Status: Action, Status, or AUL Terminated
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9256
Action:
Date: 04/21/95
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 3370
Action:
Date: 10/02/03
Type: Tier Classification
Status: Tier 2 Extension
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 3370
Action:
Date: 07/12/04
Type: Release Abatement Measure
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9256
Action:
Date: 07/29/04
Type: Phase III
Status: Revised Statement or Transmittal Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9256
Action:
Date: 07/30/04
Type: Release Abatement Measure
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 3370
Action:
Date: 04/21/95
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: TOTAL PETROLEUM HYDROCARBONS (TPH)

STANLEY TOOLS WORCESTER PLT (Continued) **1000268774**

Amount: 160000, micrograms per kilogram
Chemical Released:
Chemical: TOTAL PETROLEUM HYDROCARBONS (TPH)
Amount: Not reported
Chemical Released:
Chemical: ETHENE, TRICHLORO-
Amount: 415, micrograms per kilogram
Chemical Released:
Chemical: ARSENIC
Amount: 40.1, micrograms per kilogram
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - HAZARDOUS MATERIAL
Amount: Not reported
Location Type: COMMERCIAL
INDUSTRIAL
Source Type: UNKNOWN
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Oil and Hazardous Material

CT MANIFEST:
Manifest ID: CTF0392639
TSDF EPA ID: CTD021816889
TSDF Telephone: Not reported
TSDF Name: UNITED OIL RECOVERY INC./UIS DBA ADVANCED LIQ. REC
TSDF Address: 136 GRACEY AVE.
MERIDEN, CT 06451
TSDF Country: USA
Transporter 1 EPA ID: MAD084814136
Trans. 1 Phone: Not reported
Trans. 1 Name: FRANKLIN ENVIRONMENTAL SERVICE
Trans. 1 Address: Not reported
CT
Trans. 1 Country: USA
Transp. 1 date: 19960820
Transporter 2 EPA ID: Not reported
Trans. 2 Phone: Not reported
Trans. 2 Name: Not reported
Trans. 2 Address: Not reported
CT
Trans. 2 Country: USA
Transp. 2 date: Not reported
Generator EPA ID: MAD001129519
Gen. Facility Phone: Not reported
Gen. Site Address: Not reported
Not reported
Gen. Site County: Not reported
Special Handling: Not reported
Discrepancies: Not reported
Date Shipped: 19960820
Date Received: 19960722
Comments: Not reported
Year: 1996
Last modified date: 20040426
Last modified by: IG

Manifest ID: CTF1039739
TSDF EPA ID: CTD002593887
TSDF Telephone: Not reported

STANLEY TOOLS WORCESTER PLT (Continued) **1000268774**

TSDF Name:	BRIDGEPORT UNITED RECYCLE (FORMERLY HITCHCOCK GAS)
TSDF Address:	50 CROSS STREET
	BRIDGEPORT, CT 06608
TSDF Country:	USA
Transporter 1 EPA ID:	CTD021816889
Trans. 1 Phone:	Not reported
Trans. 1 Name:	UNITED OIL RECOVERY INC
Trans. 1 Address:	Not reported
	CT
Trans. 1 Country:	USA
Transp. 1 date:	20020904
Transporter 2 EPA ID:	Not reported
Trans. 2 Phone:	Not reported
Trans. 2 Name:	Not reported
Trans. 2 Address:	Not reported
	CT
Trans. 2 Country:	USA
Transp. 2 date:	Not reported
Generator EPA ID:	MAD001129519
Gen. Facility Phone:	Not reported
Gen. Site Address:	Not reported
	Not reported
Gen. Site County:	Not reported
Special Handling:	Not reported
Discrepancies:	No
Date Shipped:	20020904
Date Received:	20020905
Comments:	Not reported
Year:	2002
Last modified date:	20040427
Last modified by:	IG

AB116 **THE STANLEY WORKS** **SHWS** **S105521869**
NNE **149 WASHINGTON ST** **Release** **N/A**
1/2-1 **WORCESTER, MA 01610**
4118 ft.

Site 2 of 3 in cluster AB

Relative:
Higher

Actual:
453 ft.

SHWS:

Facility ID:	2-0014321
Site Status:	**Response Action Outcome Not Required**
Source Type:	UNKNOWN
Release Town:	WORCESTER
Notification Date :	05/28/02
Category :	72 HR
Associated ID :	2-0010760
Status Date :	07/26/02
Phase :	Not reported
Oil Or Haz Material :	Hazardous Material
Response Action Outcome Class :	Not reported

Action:

Date:	10/02/03
Type:	Tier Classification
Status:	Tier 2 Extension
Response Action Outcome:	
Activity Use Limitaion:	
LSP Number:	Not reported

Action:

Date:	07/26/02

THE STANLEY WORKS (Continued) **S105521869**

Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 5319
Action:
Date: 07/26/02
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/26/02
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 5319
Action:
Date: 05/28/02
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: ETHENE, CHLORO-
Amount: 15, parts per billion
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - HAZARDOUS MATERIAL
Amount: 33, parts per billion
Location Type: INDUSTRIAL
Source Type: UNKNOWN

MA RELEASE:
Facility ID: 2-0014321
Primary ID: 2-0010760
Facility Status: Response Action Outcome Not Required
Status Date: 07/26/02
Phase: Not reported
Notification: 05/28/02
Category: 72 HR
Official City: WORCESTER
Action:
Date: 10/02/03
Type: Tier Classification
Status: Tier 2 Extension
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/26/02
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 5319

THE STANLEY WORKS (Continued) **S105521869**

Action:
Date: 07/26/02
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/26/02
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 5319
Action:
Date: 05/28/02
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: ETHENE, CHLORO-
Amount: 15, parts per billion
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - HAZARDOUS MATERIAL
Amount: 33, parts per billion
Location Type: INDUSTRIAL
Source Type: UNKNOWN
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Hazardous Material

AB117 **STANLEY TOOL BLDG** **SHWS** **S102084239**
NNE **149 WASHINGTON ST** **Release** **N/A**
1/2-1 **WORCESTER, MA**
4118 ft.

Site 3 of 3 in cluster AB

Relative:
Higher

Actual:
453 ft.

SHWS:
Facility ID: 2-0010473
Site Status: Downgradient Property Status
Source Type: UNKNOWN
Release Town: WORCESTER
Notification Date : 09/08/94
Category : 72 HR
Associated ID : -
Status Date : 07/07/95
Phase : PHASE III
Oil Or Haz Material : Oil
Response Action Outcome Class : Not reported
Action:
Date: 05/22/95
Type: Release Abatement Measure
Status: Fee Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/25/94

STANLEY TOOL BLDG (Continued) **S102084239**

Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/17/98
Type: Phase II
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 02/21/95
Type: Immediate Response
Status: Imminent Hazard Evaluation Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1008
Action:
Date: 07/07/95
Type: Downgradient Property Status
Status: Transmittal Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1008
Action:
Date: 09/08/94
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 09/23/99
Type: Release Abatement Measure
Status: Written Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6324
Chemical Released:
Chemical: GASOLINE
Amount: 11.9, parts per million
Location Type: COMMERCIAL
INDUSTRIAL
Source Type: UNKNOWN

MA RELEASE:
Facility ID: 2-0010473
Primary ID: -
Facility Status: Downgradient Property Status
Status Date: 07/07/95
Phase: PHASE III
Notification: 09/08/94
Category: 72 HR
Official City: WORCESTER
Action:
Date: 05/22/95

STANLEY TOOL BLDG (Continued) **S102084239**

Type: Release Abatement Measure
Status: Fee Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/25/94
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/17/98
Type: Phase II
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 02/21/95
Type: Immediate Response
Status: Imminent Hazard Evaluation Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1008
Action:
Date: 07/07/95
Type: Downgradient Property Status
Status: Transmittal Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1008
Action:
Date: 09/08/94
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 09/23/99
Type: Release Abatement Measure
Status: Written Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6324
Chemical Released:
Chemical: GASOLINE
Amount: 11.9, parts per million
Location Type: COMMERCIAL
INDUSTRIAL
Source Type: UNKNOWN
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Oil

118
NW
1/2-1
4129 ft.

CATHOLIC CHARITIES OF THE DIOC
15 RIPLEY ST
WORCESTER, MA 01610

LUST
Release

S106863529
N/A

Relative:
Higher

Actual:
543 ft.

LUST:
Facility ID: 2-0010720
Site Status: Response Action Outcome
Source Type: UST
Release Town: WORCESTER
Notification Date : 04/03/95
Category : 72 HR
Associated ID : -
Status Date : 04/17/02
Phase : PHASE V
Oil Or Haz Material : Oil
Response Action Outcome Class : C
Action:
Date: 11/10/05
Type: Response Action Outcome
Status: IMRCD
Response Action Outcome: A temporary solution, which ensures the elimination of any substantialhazard, has been achieved at the disposal site.
Activity Use Limitaion: NONE
LSP Number: 4180
Action:
Date: 04/04/01
Type: Phase IV
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4180
Action:
Date: 04/08/96
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4051
Action:
Date: 06/02/95
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1662
Action:
Date: 04/03/95
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/07/98
Type: Immediate Response
Status: Status Report Received
Response Action Outcome:
Activity Use Limitaion:

CATHOLIC CHARITIES OF THE DIOC (Continued) **S106863529**

LSP Number: 4058
Action:
Date: 06/12/95
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/24/03
Type: Phase V
Status: IMRCD
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4180
Action:
Date: 04/13/01
Type: Tier Classification
Status: Tier 2 Extension
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4051
Chemical Released:
Chemical: FUEL OIL #2
Amount: .5, inches
Chemical Released:
Chemical: FUEL OIL #2
Amount: Not reported
Location Type: MUNICIPAL
Source Type: UST

MA RELEASE:
Facility ID: 2-0010720
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 04/17/02
Phase: PHASE V
Notification: 04/03/95
Category: 72 HR
Official City: WORCESTER
Action:
Date: 11/10/05
Type: Response Action Outcome
Status: IMRCD
Response Action Outcome: A temporary solution, which ensures the elimination of any substantialhazard, has been achieved at the disposal site.
Activity Use Limitaion: NONE
LSP Number: 4180
Action:
Date: 04/04/01
Type: Phase IV
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4180
Action:
Date: 04/08/96
Type: Phase I

CATHOLIC CHARITIES OF THE DIOC (Continued) **S106863529**

Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4051
Action:
Date: 06/02/95
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1662
Action:
Date: 04/03/95
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/07/98
Type: Immediate Response
Status: Status Report Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4058
Action:
Date: 06/12/95
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/24/03
Type: Phase V
Status: IMRCD
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4180
Action:
Date: 04/13/01
Type: Tier Classification
Status: Tier 2 Extension
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4051
Chemical Released:
Chemical: FUEL OIL #2
Amount: .5, inches
Chemical Released:
Chemical: FUEL OIL #2
Amount: Not reported
Location Type: MUNICIPAL
Source Type: UST
Response Action Outcome Class : C
Oil / Haz Material Type : Oil

CATHOLIC CHARITIES OF THE DIOC (Continued) **S106863529**

Facility ID: 2-0011029
Primary ID: 2-0010720
Facility Status: Response Action Outcome
Status Date: 04/17/02
Phase: PHASE V
Notification: 12/06/95
Category: 72 HR
Official City: WORCESTER
Action:
Date: 10/09/01
Type: Phase V
Status: Written Plan Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4180
Action:
Date: 12/06/95
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/08/96
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/13/01
Type: Tier Classification
Status: Tier 2 Extension
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/10/05
Type: Response Action Outcome
Status: IMRCD
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 02/17/00
Type: Phase III
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4180
Action:
Date: 06/20/01
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:

CATHOLIC CHARITIES OF THE DIOC (Continued) **S106863529**

LSP Number: 4180
Action:
Date: 04/08/96
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 12/12/95
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/04/01
Type: Phase IV
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4180
Action:
Date: 04/15/98
Type: Phase II
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4058
Chemical Released:
Chemical: FUEL OIL #2
Amount: Not reported
Location Type: CHURCH
Source Type: UST
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Oil

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119 West 1/2-1 4159 ft.
OFF 230 CAMBRIDGE ST
ST JOHNS RD
WORCESTER, MA 01610

SHWS Release **S103811137 N/A**

Relative: Higher

Actual: 478 ft.

SHWS:
Facility ID: 2-0010856
Site Status: Response Action Outcome
Source Type: FUELTANK
Release Town: WORCESTER
Notification Date : 07/17/95
Category : TWO HR
Associated ID : -
Status Date : 09/14/95
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A1
Action:
Date: 09/14/95
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to

OFF 230 CAMBRIDGE ST (Continued) **S103811137**

background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 07/17/95
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 3266
Action:
Date: 07/17/95
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 09/14/95
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: DIESEL FUEL
Amount: 30, gallons
Chemical Released:
Chemical: DIESEL FUEL
Amount: 20, gallons
Location Type: ROADWAY
Source Type: FUELTANK

MA RELEASE:
Facility ID: 2-0010856
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 09/14/95
Phase: Not reported
Notification: 07/17/95
Category: TWO HR
Official City: WORCESTER
Action:
Date: 09/14/95
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 07/17/95
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 3266
Action:

OFF 230 CAMBRIDGE ST (Continued) **S103811137**

Date: 07/17/95
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 09/14/95
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: DIESEL FUEL
Amount: 30, gallons
Chemical Released:
Chemical: DIESEL FUEL
Amount: 20, gallons
Location Type: ROADWAY
Source Type: FUELTANK
Response Action Outcome Class : A1
Oil / Haz Material Type : Oil

AC120 **EASTERN CHEM SPECIALTIES** **LUST** **S101857699**
North **241 SOUTHBRIDGE ST** **Release** **N/A**
1/2-1 **WORCESTER, MA 01600** **LAST**
4161 ft.

Site 1 of 5 in cluster AC

Relative:
Higher

Actual:
464 ft.

LUST:
Facility ID: 2-0000174
Site Status: **Response Action Outcome**
Source Type: UST
Release Town: WORCESTER
Notification Date : 01/15/87
Category : NONE
Associated ID : -
Status Date : 07/07/97
Phase : Not reported
Oil Or Haz Material : Not reported
Response Action Outcome Class : A2
Action:
Date: 02/11/05
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 08/09/95
Type: Tier Classification
Status: Tier 2 Classification
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/15/87

EASTERN CHEM SPECIALTIES (Continued) **S101857699**

Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: Not reported
Location Type: COMMERCIAL
FORMER
Source Type: AST
UST

LAST:
Facility ID: 2-0000174
Site Status: Response Action Outcome
Source Type: AST
Release Town: WORCESTER
Notification Date : 01/15/87
Category : NONE
Associated ID : -
Status Date : 07/07/97
Phase : Not reported
Oil Or Haz Material : Not reported
Response Action Outcome Class : A2
Action:
Date: 02/11/05
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 08/09/95
Type: Tier Classification
Status: Tier 2 Classification
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/15/87
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: Not reported
Location Type: COMMERCIAL
FORMER
Source Type: AST
UST

EASTERN CHEM SPECIALTIES (Continued) **S101857699**

MA RELEASE:
Facility ID: 2-0000174
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 07/07/97
Phase: Not reported
Notification: 01/15/87
Category: NONE
Official City: WORCESTER
Action:
Date: 02/11/05
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 08/09/95
Type: Tier Classification
Status: Tier 2 Classification
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/15/87
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: Not reported
Location Type: COMMERCIAL
FORMER
Source Type: AST
UST
Response Action Outcome Class : A2
Oil / Haz Material Type : Not reported

AC121 **COME PLAY PRODUCTS** **LUST** **S102687226**
North **53 HERMON ST** **Release** **N/A**
1/2-1 **WORCESTER, MA 01604**
4189 ft.

Site 2 of 5 in cluster AC

Relative: Higher

Actual: 462 ft.

LUST:
Facility ID: 2-0011850
Site Status: INVSUB
Source Type: UST
Release Town: WORCESTER
Notification Date : 08/22/97
Category : 72 HR
Associated ID : -
Status Date : 04/21/05
Phase : Not reported
Oil Or Haz Material : Oil

COME PLAY PRODUCTS (Continued) **S102687226**

Response Action Outcome Class : Not reported
Action:
Date: 08/29/05
Type: Response Action Outcome
Status: Fee Not Required, Fee Credited
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: 9652
Action:
Date: 08/22/97
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 7890
Action:
Date: 09/26/97
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/20/05
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9652
Chemical Released:
Chemical: FUEL OIL #4
Amount: 240, parts per million
Location Type: INDUSTRIAL
Source Type: UST

MA RELEASE:
Facility ID: 2-0011850
Primary ID: -
Facility Status: INVSUB
Status Date: 04/21/05
Phase: Not reported
Notification: 08/22/97
Category: 72 HR
Official City: WORCESTER
Action:
Date: 08/29/05
Type: Response Action Outcome
Status: Fee Not Required, Fee Credited
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: 9652
Action:
Date: 08/22/97
Type: Release
Status: REPORT
Response Action Outcome:

COME PLAY PRODUCTS (Continued) **S102687226**

Activity Use Limitaion:
LSP Number: 7890
Action:
Date: 09/26/97
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/20/05
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9652
Chemical Released:
Chemical: FUEL OIL #4
Amount: 240, parts per million
Location Type: INDUSTRIAL
Source Type: UST
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Oil

AC122 **DANIEL FREELANDER** **SHWS** **S105735887**
North **53 HERMON ST** **Release** **N/A**
1/2-1 **WORCESTER, MA 01604**
4189 ft.

Site 3 of 5 in cluster AC

Relative:
Higher

Actual:
462 ft.

SHWS:
Facility ID: 2-0014603
Site Status: TIERII
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 12/20/02
Category : 120 DY
Associated ID : -
Status Date : 07/20/05
Phase : PHASE II
Oil Or Haz Material : Hazardous Material
Response Action Outcome Class : Not reported
Action:
Date: 12/20/02
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 02/24/03
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/06/05
Type: Phase I

DANIEL FREELANDER (Continued) **S105735887**

Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9652
Action:
Date: 10/06/05
Type: Tier Classification
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - HAZARDOUS MATERIAL
Amount: .53, parts per million
Chemical Released:
Chemical: 1,2-BENZENEDICARBOXYLIC ACID,DIETHYL ESTER
Amount: .044, parts per million
Chemical Released:
Chemical: ETHENE, 1,1-DICHLORO-
Amount: .0038, parts per million
Location Type: Not reported
Source Type: Not reported

MA RELEASE:
Facility ID: 2-0014603
Primary ID: -
Facility Status: TIERII
Status Date: 07/20/05
Phase: PHASE II
Notification: 12/20/02
Category: 120 DY
Official City: WORCESTER
Action:
Date: 12/20/02
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 02/24/03
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/06/05
Type: Phase I
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9652
Action:
Date: 10/06/05
Type: Tier Classification
Status: Level I - Technical Screen Audit
Response Action Outcome:

DANIEL FREELANDER (Continued) **S105735887**

Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - HAZARDOUS MATERIAL
Amount: .53, parts per million
Chemical Released:
Chemical: 1,2-BENZENEDICARBOXYLIC ACID,DIETHYL ESTER
Amount: .044, parts per million
Chemical Released:
Chemical: ETHENE, 1,1-DICHLORO-
Amount: .0038, parts per million
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Hazardous Material

AD123 **EXXON CO** **SHWS** **S103545645**
NNE **185 MADISON ST** **Release** **N/A**
1/2-1 **WORCESTER, MA**
4204 ft.

Site 1 of 2 in cluster AD

Relative: Higher

Actual: 458 ft.

SHWS:
Facility ID: 2-0012588
Site Status: Response Action Outcome
Source Type: PIPE
Release Town: WORCESTER
Notification Date : 01/07/99
Category : TWO HR
Associated ID : -
Status Date : 03/05/99
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A1
Action:
Date: 03/05/99
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion:
LSP Number: 4284
Action:
Date: 01/07/99
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/07/99
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/05/99
Type: RNF

EXXON CO (Continued) **S103545645**

Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: DIESEL FUEL
Amount: 10, gallons
Chemical Released:
Chemical: DIESEL FUEL
Amount: 20, gallons
Location Type: Not reported
Source Type: PIPE

MA RELEASE:
Facility ID: 2-0012588
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 03/05/99
Phase: Not reported
Notification: 01/07/99
Category: TWO HR
Official City: WORCESTER
Action:
Date: 03/05/99
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion:
LSP Number: 4284
Action:
Date: 01/07/99
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/07/99
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/05/99
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: DIESEL FUEL
Amount: 10, gallons
Chemical Released:
Chemical: DIESEL FUEL
Amount: 20, gallons
Location Type: Not reported

EXXON CO (Continued) **S103545645**

Source Type: PIPE
Response Action Outcome Class : A1
Oil / Haz Material Type : Oil

AD124 **TOSCO CORP** **SHWS** **S104774055**
NNE **185 MADISON ST** **Release** **N/A**
1/2-1 **WORCESTER, MA**
4204 ft.

Site 2 of 2 in cluster AD

Relative: Higher

Actual: 458 ft.

SHWS:
Facility ID: 2-0013401
Site Status: **Response Action Outcome**
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 08/01/00
Category : 120 DY
Associated ID : -
Status Date : 06/12/03
Phase : PHASE III
Oil Or Haz Material : Oil and Hazardous Material
Response Action Outcome Class : B1
Action:
Date: 06/17/03
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.
Activity Use Limitaion: NONE
LSP Number: 4284
Action:
Date: 07/31/01
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4284
Action:
Date: 08/01/00
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/14/03
Type: Tier Classification
Status: Action Audited
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4284
Action:
Date: 06/17/03
Type: Phase II
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4284
Chemical Released:

TOSCO CORP (Continued) **S104774055**

Chemical: BENZ[A]ANTHRACENE
Amount: 3.1, micrograms per kilogram
Chemical Released:
Chemical: BENZO[A]PYRENE
Amount: 2.9, micrograms per kilogram
Chemical Released:
Chemical: BENZ[E]ACEPHENANTHRYLENE
Amount: 4.6, micrograms per kilogram
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - HAZARDOUS MATERIAL
Amount: 2.4, micrograms per kilogram
Chemical Released:
Chemical: INDENO(1,2,3-CD)PYRENE
Amount: 1.5, micrograms per kilogram
Chemical Released:
Chemical: BENZENE, DIMETHYL
Amount: 12800, micrograms per liter
Location Type: Not reported
Source Type: Not reported

MA RELEASE:
Facility ID: 2-0013401
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 06/12/03
Phase: PHASE III
Notification: 08/01/00
Category: 120 DY
Official City: WORCESTER
Action:
Date: 06/17/03
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.
Activity Use Limitaion: NONE
LSP Number: 4284
Action:
Date: 07/31/01
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4284
Action:
Date: 08/01/00
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/14/03
Type: Tier Classification
Status: Action Audited
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4284

TOSCO CORP (Continued) **S104774055**

Action:
Date: 06/17/03
Type: Phase II
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4284
Chemical Released:
Chemical: BENZ[A]ANTHRACENE
Amount: 3.1, micrograms per kilogram
Chemical Released:
Chemical: BENZO[A]PYRENE
Amount: 2.9, micrograms per kilogram
Chemical Released:
Chemical: BENZ[E]ACEPHENANTHRYLENE
Amount: 4.6, micrograms per kilogram
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - HAZARDOUS MATERIAL
Amount: 2.4, micrograms per kilogram
Chemical Released:
Chemical: INDENO(1,2,3-CD)PYRENE
Amount: 1.5, micrograms per kilogram
Chemical Released:
Chemical: BENZENE, DIMETHYL
Amount: 12800, micrograms per liter
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : B1
Oil / Haz Material Type : Oil and Hazardous Material

AE125 **PATRIOT METALS CO** **SHWS** **U002007283**
SE **30-46 BALLARD ST** **Release** **N/A**
1/2-1 **WORCESTER, MA 01607** **UST**
4208 ft.

Site 1 of 2 in cluster AE

Relative: Higher

Actual: 459 ft.

SHWS:
Facility ID: 2-0010228
Site Status: **Response Action Outcome Not Required**
Source Type: UNKNOWN
Release Town: WORCESTER
Notification Date : 03/17/94
Category : 72 HR
Associated ID : 2-0000408
Status Date : 04/01/03
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : Not reported
Action:
Date: 03/17/94
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/31/95
Type: Downgradient Property Status
Status: Fee Received

PATRIOT METALS CO (Continued) **U002007283**

Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/09/05
Type: Immediate Response
Status: Written Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/01/03
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/26/03
Type: Tier Classification
Status: LNKVTC
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 08/02/95
Type: Tier Classification
Status: LNKVTC
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/03/01
Type: Immediate Response
Status: Status Report Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4601
Action:
Date: 04/07/94
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: Not reported
Location Type: COMMERCIAL
Source Type: UNKNOWN

PATRIOT METALS CO (Continued) **U002007283**

Facility ID: 2-0000408
Site Status: TIER1A
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 10/15/88
Category : NONE
Associated ID : 2-0000408
Status Date : 03/31/03
Phase : PHASE IV
Oil Or Haz Material : Not reported
Response Action Outcome Class : Not reported
Action:
Date: 10/04/05
Type: Utility-related Abatement Measure
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6039
Action:
Date: 11/08/04
Type: Phase IV
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/30/03
Type: Tier Classification
Status: Statement or Transmittal Retracted
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/03/01
Type: Immediate Response
Status: Status Report Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 08/10/04
Type: Phase II
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/08/04
Type: Phase III
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/15/88
Type: Release

PATRIOT METALS CO (Continued) **U002007283**

Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/09/05
Type: Immediate Response
Status: Written Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/26/03
Type: Tier Classification
Status: LNKVTC
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 2261
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: Not reported
Location Type: INDUSTRIAL
Source Type: Not reported

MA RELEASE:
Facility ID: 2-0000408
Primary ID: 2-0000408
Facility Status: TIER1A
Status Date: 03/31/03
Phase: PHASE IV
Notification: 10/15/88
Category: NONE
Official City: WORCESTER
Action:
Date: 10/04/05
Type: Utility-related Abatement Measure
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6039
Action:
Date: 11/08/04
Type: Phase IV
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/30/03
Type: Tier Classification
Status: Statement or Transmittal Retracted
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/03/01
Type: Immediate Response
Status: Status Report Received

PATRIOT METALS CO (Continued) **U002007283**

Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 08/10/04
Type: Phase II
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/08/04
Type: Phase III
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/15/88
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/09/05
Type: Immediate Response
Status: Written Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/26/03
Type: Tier Classification
Status: LNKVTC
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 2261
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: Not reported
Location Type: INDUSTRIAL
Source Type: Not reported
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Not reported

Facility ID: 2-0010228
Primary ID: 2-0000408
Facility Status: Response Action Outcome Not Required
Status Date: 04/01/03
Phase: Not reported
Notification: 03/17/94
Category: 72 HR
Official City: WORCESTER
Action:
Date: 03/17/94
Type: Release

PATRIOT METALS CO (Continued) **U002007283**

Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/31/95
Type: Downgradient Property Status
Status: Fee Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/09/05
Type: Immediate Response
Status: Written Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/01/03
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/26/03
Type: Tier Classification
Status: LNKVTC
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 08/02/95
Type: Tier Classification
Status: LNKVTC
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/03/01
Type: Immediate Response
Status: Status Report Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4601
Action:
Date: 04/07/94
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: Not reported
Location Type: COMMERCIAL

PATRIOT METALS CO (Continued) **U002007283**

Source Type: UNKNOWN
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Oil

UST:

Facility ID:	18266
Tank ID:	1
Tank Status:	Removed
Tank Useage:	Not reported
Capacity:	9500
Owner:	HUGO NEU STEEL INC
Owner Address:	30 BALLARD ST WORCESTER, MA 01607
Serial Number:	Not reported
Aboveground:	No
Contents:	Diesel
Tank Material:	Reinforced
Tank Contents:	1 Wall
Tank Leak Detection:	Inventory Record-Keeping
Pipe Leak Detection:	Suction: Check Valve at Dispenser
Description :	Industrial
Fire Dept. ID :	27348
Financial Responsibility :	Not reported

Facility ID:	18266
Tank ID:	2
Tank Status:	Removed
Tank Useage:	Not reported
Capacity:	500
Owner:	HUGO NEU STEEL INC
Owner Address:	30 BALLARD ST WORCESTER, MA 01607
Serial Number:	Not reported
Aboveground:	No
Contents:	Gasoline
Tank Material:	Steel
Tank Contents:	Not reported
Tank Leak Detection:	Not reported
Pipe Leak Detection:	Not reported
Description :	Industrial
Fire Dept. ID :	27348
Financial Responsibility :	Not reported

AE126 **PATRIOT METALS FMR** **SHWS** **1002928568**
SE **30 BALLARD ST** **Release** **N/A**
1/2-1 **WORCESTER, MA 01607**
4208 ft.

Site 2 of 2 in cluster AE

Relative:
Higher

Actual:
459 ft.

PATRIOT METALS FMR (Continued) **1002928568**

SHWS:
Facility ID: 2-0013539
Site Status: Response Action Outcome Not Required
Source Type: UNKNOWN
Release Town: WORCESTER
Notification Date : 11/03/00
Category : 72 HR
Associated ID : 2-0000408
Status Date : 05/01/03
Phase : PHASE III
Oil Or Haz Material : Hazardous Material
Response Action Outcome Class : Not reported
Action:
Date: 11/26/03
Type: Tier Classification
Status: LNKVTC
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/22/01
Type: Phase II
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/03/00
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 05/01/03
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 2261
Action:
Date: 03/09/05
Type: Immediate Response
Status: Written Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 2261
Action:
Date: 01/03/01
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - HAZARDOUS MATERIAL
Amount: 64.8, parts per billion

PATRIOT METALS FMR (Continued) **1002928568**

Location Type: INDUSTRIAL
Source Type: UNKNOWN

MA RELEASE:
Facility ID: 2-0013539
Primary ID: 2-0000408
Facility Status: Response Action Outcome Not Required
Status Date: 05/01/03
Phase: PHASE III
Notification: 11/03/00
Category: 72 HR
Official City: WORCESTER
Action:
Date: 11/26/03
Type: Tier Classification
Status: LNKVTC
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/22/01
Type: Phase II
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/03/00
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 05/01/03
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 2261
Action:
Date: 03/09/05
Type: Immediate Response
Status: Written Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 2261
Action:
Date: 01/03/01
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - HAZARDOUS MATERIAL
Amount: 64.8, parts per billion
Location Type: INDUSTRIAL

PATRIOT METALS FMR (Continued) **1002928568**

Source Type: UNKNOWN
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Hazardous Material

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127 **TRUCK ACCIDENT** **SHWS** **S102403610**
SSE **804 MILLBURY ST** **Release** **N/A**
1/2-1 **WORCESTER, MA 01607**
4239 ft.

Relative:
Lower

Actual:
447 ft.

SHWS:
Facility ID: 2-0011345
Site Status: Response Action Outcome
Source Type: PIPE
Release Town: WORCESTER
Notification Date : 08/09/96
Category : TWO HR
Associated ID : -
Status Date : 10/02/96
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A1
Action:
Date: 10/02/96
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 6324
Action:
Date: 10/02/96
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 08/09/96
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 08/09/96
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: DIESEL FUEL
Amount: 100, gallons
Location Type: ROADWAY
Source Type: PIPE

TRUCK ACCIDENT (Continued) **S102403610**

MA RELEASE:
Facility ID: 2-0011345
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 10/02/96
Phase: Not reported
Notification: 08/09/96
Category: TWO HR
Official City: WORCESTER
Action:
Date: 10/02/96
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 6324
Action:
Date: 10/02/96
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 08/09/96
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 08/09/96
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: DIESEL FUEL
Amount: 100, gallons
Location Type: ROADWAY
Source Type: PIPE
Response Action Outcome Class : A1
Oil / Haz Material Type : Oil

AC128 **CK SMITH TANK FARM** **SHWS** **S100830751**
North **233 SOUTHBRIDGE ST** **Release** **N/A**
1/2-1 **WORCESTER, MA 01600** **INST CONTROL**
4246 ft.

Site 4 of 5 in cluster AC

Relative:
Higher

Actual:
469 ft.

CK SMITH TANK FARM (Continued) **S100830751**

SHWS:
Facility ID: 2-0000266
Site Status: Response Action Outcome
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 10/15/88
Category : NONE
Associated ID : -
Status Date : 11/07/01
Phase : PHASE IV
Oil Or Haz Material : Not reported
Response Action Outcome Class : B2
Action:
Date: 01/04/04
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.
Activity Use Limitaion: NOTICE
LSP Number: 1959
Action:
Date: 07/11/01
Type: Phase IV
Status: Notice of Delay in meeting Response Action Deadline
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/20/00
Type: Phase II
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/13/03
Type: Phase III
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/15/88
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/09/98
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:

CK SMITH TANK FARM (Continued) **S100830751**

Date: 08/18/03
Type: Tier Classification
Status: PEREFF
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/13/03
Type: Activity and Use Limitation
Status: Amendment Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: Not reported
Location Type: Not reported
Source Type: Not reported

MA INSTITUTIONAL CONTROL:
Release Tracking Number: 2-0000266
Description : AUL amended on 11/13/2003 received on 3/14/2001 AUL

MA RELEASE:
Facility ID: 2-0000266
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 11/07/01
Phase: PHASE IV
Notification: 10/15/88
Category: NONE
Official City: WORCESTER
Action:
Date: 01/04/04
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.
Activity Use Limitaion: NOTICE
LSP Number: 1959
Action:
Date: 07/11/01
Type: Phase IV
Status: Notice of Delay in meeting Response Action Deadline
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/20/00
Type: Phase II
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/13/03

CK SMITH TANK FARM (Continued) **S100830751**

Type: Phase III
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/15/88
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/09/98
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 08/18/03
Type: Tier Classification
Status: PEREFF
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/13/03
Type: Activity and Use Limitation
Status: Amendment Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: Not reported
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : B2
Oil / Haz Material Type : Not reported

AF129 **HESS STATION** **LUST** **S105736221**
NNE **184 MADISON ST** **Release** **N/A**
1/2-1 **WORCESTER, MA**
4262 ft.

Site 1 of 6 in cluster AF

Relative:
Higher

LUST:
Facility ID: 2-0014556
Site Status: **Response Action Outcome**
Actual:
459 ft.
Source Type: UST
Release Town: WORCESTER
Notification Date : 11/19/02
Category : 72 HR
Associated ID : -
Status Date : 01/21/03
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A1

HESS STATION (Continued) **S105736221**

Action:
Date: 10/06/03
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 7713
Action:
Date: 11/19/02
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/19/02
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: GASOLINE
Amount: 70.5, gallons per hour
Location Type: COMMERCIAL
Source Type: UST

MA RELEASE:
Facility ID: 2-0014556
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 01/21/03
Phase: Not reported
Notification: 11/19/02
Category: 72 HR
Official City: WORCESTER
Action:
Date: 10/06/03
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 7713
Action:
Date: 11/19/02
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/19/02
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:

HESS STATION (Continued) **S105736221**

LSP Number: Not reported
Chemical Released:
Chemical: GASOLINE
Amount: 70.5, gallons per hour
Location Type: COMMERCIAL
Source Type: UST
Response Action Outcome Class : A1
Oil / Haz Material Type : Oil

AC130 **NAPAC HOLDINGS LTD** **SHWS** **S106030270**
North **229 SOUTHBRIDGE ST** **Release** **N/A**
1/2-1 **WORCESTER, MA 01609**
4272 ft.

Site 5 of 5 in cluster AC

Relative:
Higher

Actual:
470 ft.

SHWS:
Facility ID: 2-0014916
Site Status: **Response Action Outcome**
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 09/11/03
Category : 120 DY
Associated ID : -
Status Date : 09/10/04
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A2
Action:
Date: 10/01/04
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion:
LSP Number: 4562
Action:
Date: 06/30/04
Type: Release Abatement Measure
Status: Fee Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 09/11/03
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: Not reported
Amount: Not reported
Location Type: Not reported
Source Type: Not reported

NAPAC HOLDINGS LTD (Continued) **S106030270**

MA RELEASE:
Facility ID: 2-0014916
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 09/10/04
Phase: Not reported
Notification: 09/11/03
Category: 120 DY
Official City: WORCESTER
Action:
Date: 10/01/04
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion:
LSP Number: 4562
Action:
Date: 06/30/04
Type: Release Abatement Measure
Status: Fee Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 09/11/03
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: Not reported
Amount: Not reported
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : A2
Oil / Haz Material Type : Oil

AF131 **MERIT STATION** **SHWS** **S102084529**
NNE **190 MADISON ST** **Release** **N/A**
1/2-1 **WORCESTER, MA 01610**
4284 ft.

Site 2 of 6 in cluster AF

Relative:
Higher

Actual:
460 ft.

MERIT STATION (Continued) **S102084529**

SHWS:
Facility ID: 2-0010887
Site Status: Response Action Outcome
Source Type: PIPE
Release Town: WORCESTER
Notification Date : 08/22/95
Category : TWO HR
Associated ID : -
Status Date : 10/20/95
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A2
Action:
Date: 10/20/95
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 08/22/95
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9997
Action:
Date: 08/22/95
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/20/95
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: GASOLINE
Amount: 15, gallons
Location Type: COMMERCIAL
Source Type: PIPE

MA RELEASE:
Facility ID: 2-0010887
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 10/20/95
Phase: Not reported
Notification: 08/22/95
Category: TWO HR
Official City: WORCESTER
Action:

MERIT STATION (Continued) **S102084529**

Date: 10/20/95
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 08/22/95
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9997
Action:
Date: 08/22/95
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/20/95
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: GASOLINE
Amount: 15, gallons
Location Type: COMMERCIAL
Source Type: PIPE
Response Action Outcome Class : A2
Oil / Haz Material Type : Oil

AF132 **MERIT OIL CORP** **LUST** **1000263688**
NNE **190 MADISON ST** **Release** **N/A**
1/2-1 **WORCESTER, MA 01600**
4284 ft.

Site 3 of 6 in cluster AF

Relative: Higher

Actual: 460 ft.

LUST:
Facility ID: 2-0000671
Site Status: Response Action Outcome
Source Type: UST
Release Town: WORCESTER
Notification Date : 10/15/89
Category : NONE
Associated ID : -
Status Date : 03/11/98
Phase : PHASE IV
Oil Or Haz Material : Oil
Response Action Outcome Class : B1
Action:
Date: 03/11/98
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk

MERIT OIL CORP (Continued) **1000263688**

exists.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 08/28/96
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/18/96
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 09/22/97
Type: Tier Classification
Status: Tier 2 Extension
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/28/91
Type: Phase II
Status: Scope of Work Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/15/89
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 12/19/96
Type: Phase III
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - OIL
Amount: Not reported
Location Type: GASSTATION
Source Type: UST

MERIT OIL CORP (Continued) **1000263688**

MA RELEASE:
Facility ID: 2-0000671
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 03/11/98
Phase: PHASE IV
Notification: 10/15/89
Category: NONE
Official City: WORCESTER
Action:
Date: 03/11/98
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 08/28/96
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/18/96
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 09/22/97
Type: Tier Classification
Status: Tier 2 Extension
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/28/91
Type: Phase II
Status: Scope of Work Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/15/89
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 12/19/96
Type: Phase III
Status: Completion Statement Received
Response Action Outcome:

MERIT OIL CORP (Continued) **1000263688**

Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - OIL
Amount: Not reported
Location Type: GASSTATION
Source Type: UST
Response Action Outcome Class : B1
Oil / Haz Material Type : Oil

AF133 **INT GREEN ST** **SHWS** **S103042905**
NNE **190 MADISON ST** **Release** **N/A**
1/2-1 **WORCESTER, MA 01600**
4284 ft.

Site 4 of 6 in cluster AF

Relative: Higher

Actual: 460 ft.

SHWS:
Facility ID: 2-0010739
Site Status: **Response Action Outcome Not Required**
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 05/15/95
Category : 72 HR
Associated ID : 2-0000671
Status Date : 08/28/96
Phase : Not reported
Oil Or Haz Material : Hazardous Material
Response Action Outcome Class : Not reported
Action:
Date: 08/28/96
Type: Tier Classification
Status: LNKVTC
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 08/28/96
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9395
Action:
Date: 05/15/95
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 08/28/96
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9395
Chemical Released:
Chemical: BENZENE, DIMETHYL
Amount: 6060, micrograms per liter

INT GREEN ST (Continued) **S103042905**

Location Type: Not reported
Source Type: Not reported

MA RELEASE:
Facility ID: 2-0010739
Primary ID: 2-0000671
Facility Status: Response Action Outcome Not Required
Status Date: 08/28/96
Phase: Not reported
Notification: 05/15/95
Category: 72 HR
Official City: WORCESTER
Action:
Date: 08/28/96
Type: Tier Classification
Status: LNKVTC
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 08/28/96
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9395
Action:
Date: 05/15/95
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 08/28/96
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9395
Chemical Released:
Chemical: BENZENE, DIMETHYL
Amount: 6060, micrograms per liter
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Hazardous Material

AF134 **MERIT GAS STA** **SHWS** **S104544922**
NNE **190 MADISON ST** **Release** **N/A**
1/2-1 **WORCESTER, MA**
4284 ft.

Site 5 of 6 in cluster AF

Relative:
Higher

Actual:
460 ft.

MERIT GAS STA (Continued) **S104544922**

SHWS:
Facility ID: 2-0011678
Site Status: Downgradient Property Status
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 04/11/97
Category : 120 DY
Associated ID : -
Status Date : 03/17/97
Phase : Not reported
Oil Or Haz Material : Not reported
Response Action Outcome Class : Not reported
Action:
Date: 03/17/97
Type: Downgradient Property Status
Status: Transmittal Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9395
Action:
Date: 04/11/97
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: Not reported
Location Type: COMMERCIAL
Source Type: Not reported

MA RELEASE:
Facility ID: 2-0011678
Primary ID: -
Facility Status: Downgradient Property Status
Status Date: 03/17/97
Phase: Not reported
Notification: 04/11/97
Category: 120 DY
Official City: WORCESTER
Action:
Date: 03/17/97
Type: Downgradient Property Status
Status: Transmittal Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9395
Action:
Date: 04/11/97
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE

MERIT GAS STA (Continued) **S104544922**

Amount: Not reported
Location Type: COMMERCIAL
Source Type: Not reported
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Not reported

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135 **AJD ENTERPRISES** **SHWS** **S105596698**
North **79 BEACON ST** **Release** **N/A**
1/2-1 **WORCESTER, MA 01608**
4292 ft.

Relative:
Higher

Actual:
470 ft.

SHWS:
Facility ID: 2-0014444
Site Status: TIERII
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 08/16/02
Category : 120 DY
Associated ID : -
Status Date : 11/18/05
Phase : PHASE II
Oil Or Haz Material : Oil and Hazardous Material
Response Action Outcome Class : Not reported
Action:
Date: 09/01/05
Type: Response Action Outcome
Status: Delay in Meeting RA Deadline Ordered or Approved
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Activity Use Limitaion: NOTICE
LSP Number: 7022
Action:
Date: 12/31/04
Type: Release Abatement Measure
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 7022
Action:
Date: 11/29/05
Type: Tier Classification
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 08/16/02
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/29/05
Type: Phase I
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported

AJD ENTERPRISES (Continued) **S105596698**

Chemical Released:
Chemical: ETHENE, 1,1-DICHLORO-
Amount: 16, micrograms per liter
Chemical Released:
Chemical: ARSENIC
Amount: 34.1, micrograms per kilogram
Location Type: Not reported
Source Type: Not reported

MA RELEASE:
Facility ID: 2-0014444
Primary ID: -
Facility Status: TIERII
Status Date: 11/18/05
Phase: PHASE II
Notification: 08/16/02
Category: 120 DY
Official City: WORCESTER
Action:
Date: 09/01/05
Type: Response Action Outcome
Status: Delay in Meeting RA Deadline Ordered or Approved
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background and an Activity and use Limitation (AUL) has been implemented.
Activity Use Limitaion: NOTICE
LSP Number: 7022
Action:
Date: 12/31/04
Type: Release Abatement Measure
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 7022
Action:
Date: 11/29/05
Type: Tier Classification
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 08/16/02
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/29/05
Type: Phase I
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: ETHENE, 1,1-DICHLORO-
Amount: 16, micrograms per liter
Chemical Released:

AJD ENTERPRISES (Continued) **S105596698**

Chemical: ARSENIC
Amount: 34.1, micrograms per kilogram
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Oil and Hazardous Material

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136 **HDC ONE LLC** **SHWS** **S103545554**
SE **35 BALLARD ST** **LUST** **N/A**
1/2-1 **WORCESTER, MA 01607** **Release**
4347 ft.

Relative: Higher

Actual: 457 ft.

SHWS:
Facility ID: 2-0015128
Site Status: Response Action Outcome
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 02/12/04
Category : 120 DY
Associated ID : -
Status Date : 04/01/04
Phase : Not reported
Oil Or Haz Material : Hazardous Material
Response Action Outcome Class : B1
Action:
Date: 04/09/04
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.
Activity Use Limitaion: NONE
LSP Number: 9282
Action:
Date: 02/12/04
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9282
Chemical Released:
Chemical: BENZ[A]ANTHRACENE
Amount: .73, micrograms per kilogram
Chemical Released:
Chemical: BENZ[E]ACEPHENANTHRYLENE
Amount: .75, micrograms per kilogram
Location Type: Not reported
Source Type: Not reported

LUST:
Facility ID: 2-0012469
Site Status: REMOPS
Source Type: UST
Release Town: WORCESTER
Notification Date : 10/26/98
Category : 72 HR
Associated ID : -
Status Date : 10/26/04
Phase : PHASE V
Oil Or Haz Material : Oil

HDC ONE LLC (Continued) **S103545554**

Response Action Outcome Class : Not reported
Action:
Date: 06/05/00
Type: Response Action Outcome
Status: Statement or Transmittal Retracted
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion:
LSP Number: 1959
Action:
Date: 10/29/98
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/30/04
Type: Tier Classification
Status: Tier 2 Transfer
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1217
Action:
Date: 10/26/98
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/08/01
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1217
Action:
Date: 11/16/05
Type: Phase V
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/22/04
Type: Phase III
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1217
Action:
Date: 10/26/98
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:

HDC ONE LLC (Continued) **S103545554**

LSP Number: Not reported
Action:
Date: 11/10/04
Type: Phase IV
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1217
Action:
Date: 01/22/04
Type: Phase II
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1217
Chemical Released:
Chemical: FUEL OIL #2
Amount: 100, parts per million
Location Type: COMMERCIAL
Source Type: UST

MA RELEASE:
Facility ID: 2-0012469
Primary ID: -
Facility Status: REMOPS
Status Date: 10/26/04
Phase: PHASE V
Notification: 10/26/98
Category: 72 HR
Official City: WORCESTER
Action:
Date: 06/05/00
Type: Response Action Outcome
Status: Statement or Transmittal Retracted
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion:
LSP Number: 1959
Action:
Date: 10/29/98
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/30/04
Type: Tier Classification
Status: Tier 2 Transfer
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1217
Action:
Date: 10/26/98
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:

HDC ONE LLC (Continued) **S103545554**

LSP Number: Not reported
Action:
Date: 03/08/01
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1217
Action:
Date: 11/16/05
Type: Phase V
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/22/04
Type: Phase III
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1217
Action:
Date: 10/26/98
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/10/04
Type: Phase IV
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1217
Action:
Date: 01/22/04
Type: Phase II
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1217
Chemical Released:
Chemical: FUEL OIL #2
Amount: 100, parts per million
Location Type: COMMERCIAL
Source Type: UST
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Oil

HDC ONE LLC (Continued) **S103545554**

Facility ID: 2-0015128
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 04/01/04
Phase: Not reported
Notification: 02/12/04
Category: 120 DY
Official City: WORCESTER
Action:
Date: 04/09/04
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.
Activity Use Limitaion: NONE
LSP Number: 9282
Action:
Date: 02/12/04
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9282
Chemical Released:
Chemical: BENZ[A]ANTHRACENE
Amount: .73, micrograms per kilogram
Chemical Released:
Chemical: BENZ[E]ACEPHENANTHRYLENE
Amount: .75, micrograms per kilogram
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : B1
Oil / Haz Material Type : Hazardous Material

AF137 **GENERAL AUTOMOTIVE** **SHWS** **S102084617**
NNE **176 GREEN ST** **Release** **N/A**
1/2-1 **WORCESTER, MA 01606**
4360 ft.

Site 6 of 6 in cluster AF

Relative: Higher

Actual: 460 ft.

SHWS:
Facility ID: 2-0010999
Site Status: Response Action Outcome
Source Type: UNKNOWN
Release Town: WORCESTER
Notification Date : 11/03/95
Category : 120 DY
Associated ID : -
Status Date : 06/04/96
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : B1
Action:
Date: 06/05/96
Type: Response Action Outcome
Status: Fee Received
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.

GENERAL AUTOMOTIVE (Continued) **S102084617**

Activity Use Limitaion: NONE
LSP Number: 4058
Action:
Date: 11/03/95
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/03/95
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: TOTAL PETROLEUM HYDROCARBONS (TPH)
Amount: 2200, parts per million
Location Type: COMMERCIAL
Source Type: UNKNOWN

MA RELEASE:
Facility ID: 2-0010999
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 06/04/96
Phase: Not reported
Notification: 11/03/95
Category: 120 DY
Official City: WORCESTER
Action:
Date: 06/05/96
Type: Response Action Outcome
Status: Fee Received
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.
Activity Use Limitaion: NONE
LSP Number: 4058
Action:
Date: 11/03/95
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/03/95
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: TOTAL PETROLEUM HYDROCARBONS (TPH)
Amount: 2200, parts per million
Location Type: COMMERCIAL
Source Type: UNKNOWN

GENERAL AUTOMOTIVE (Continued) **S102084617**

Response Action Outcome Class : B1
Oil / Haz Material Type : Oil

138
SSW
1/2-1
4362 ft.

35 ELECTRIC COURT PROPERTY **SHWS** **S100830147**
35 ELECTRIC CT **Release** **N/A**
WORCESTER, MA 01600

Relative:
Higher

Actual:
680 ft.

SHWS:
Facility ID: 2-0000308
Site Status: LSP Opinion, No Further Action
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 01/15/89
Category : NONE
Associated ID : -
Status Date : 04/07/97
Phase : Not reported
Oil Or Haz Material : Not reported
Response Action Outcome Class : Not reported
Action:
Date: 01/15/89
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: Not reported
Location Type: Not reported
Source Type: Not reported

MA RELEASE:
Facility ID: 2-0000308
Primary ID: -
Facility Status: LSP Opinion, No Further Action
Status Date: 04/07/97
Phase: Not reported
Notification: 01/15/89
Category: NONE
Official City: WORCESTER
Action:
Date: 01/15/89
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: Not reported
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Not reported

AG139 **PAP REALTY TRUST** **LUST** **S102088842**
North **38 HERMON ST** **Release** **N/A**
1/2-1 **WORCESTER, MA 01600**
4410 ft.

Site 1 of 2 in cluster AG

Relative:
Higher

Actual:
470 ft.

LUST:
Facility ID: 2-0000591
Site Status: **Response Action Outcome**
Source Type: UST
Release Town: WORCESTER
Notification Date : 04/15/89
Category : NONE
Associated ID : -
Status Date : 05/10/99
Phase : Not reported
Oil Or Haz Material : Not reported
Response Action Outcome Class : A2
Action:
Date: 02/16/05
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 04/15/89
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: Not reported
Location Type: INDUSTRIAL
MANUFACT
Source Type: UST

MA RELEASE:
Facility ID: 2-0000591
Primary ID: -
Facility Status: **Response Action Outcome**
Status Date: 05/10/99
Phase: Not reported
Notification: 04/15/89
Category: NONE
Official City: WORCESTER
Action:
Date: 02/16/05
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 04/15/89
Type: Release

PAP REALTY TRUST (Continued) **S102088842**

Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: Not reported
Location Type: INDUSTRIAL
MANUFACT
Source Type: UST
Response Action Outcome Class : A2
Oil / Haz Material Type : Not reported

AG140 **CHAFITZ PROPERTY** **SHWS** **S103811267**
North **35 HERMON ST** **Release** **N/A**
1/2-1 **WORCESTER, MA**
4410 ft.

Site 2 of 2 in cluster AG

Relative:
Higher

Actual:
470 ft.

SHWS:
Facility ID: 2-0012497
Site Status: TIERII
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 11/06/98
Category : 120 DY
Associated ID : -
Status Date : 09/05/00
Phase : Not reported
Oil Or Haz Material : Hazardous Material
Response Action Outcome Class : Not reported
Action:
Date: 09/05/00
Type: Tier Classification
Status: Tier 2 Classification
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 2955
Action:
Date: 11/06/98
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: ARSENIC
Amount: 70, micrograms per kilogram
Chemical Released:
Chemical: LEAD
Amount: 38000, micrograms per kilogram
Location Type: Not reported
Source Type: Not reported

CHAFITZ PROPERTY (Continued) **S103811267**

MA RELEASE:
Facility ID: 2-0012497
Primary ID: -
Facility Status: TIERII
Status Date: 09/05/00
Phase: Not reported
Notification: 11/06/98
Category: 120 DY
Official City: WORCESTER
Action:
Date: 09/05/00
Type: Tier Classification
Status: Tier 2 Classification
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 2955
Action:
Date: 11/06/98
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: ARSENIC
Amount: 70, micrograms per kilogram
Chemical Released:
Chemical: LEAD
Amount: 38000, micrograms per kilogram
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Hazardous Material

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141 West 1/2-1 4411 ft. **L FARBER CO** **LUST** **S101857703**
25 ST JOHNS RD **Release** **N/A**
WORCESTER, MA

Relative: Higher

Actual: 478 ft.

LUST:
Facility ID: 2-0000711
Site Status: Response Action Outcome
Source Type: UST
Release Town: WORCESTER
Notification Date : 12/19/89
Category : NONE
Associated ID : -
Status Date : 09/16/97
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A2
Action:
Date: 02/17/99
Type: Response Action Outcome
Status: Revised Statement or Transmittal Received
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE

L FARBER CO (Continued) **S101857703**

LSP Number: 4128
Action:
Date: 08/25/94
Type: Tier Classification
Status: PEREFF
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 12/19/89
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: Not reported
Location Type: COMMERCIAL
INDUSTRIAL
Source Type: UST

MA RELEASE:
Facility ID: 2-0000711
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 09/16/97
Phase: Not reported
Notification: 12/19/89
Category: NONE
Official City: WORCESTER
Action:
Date: 02/17/99
Type: Response Action Outcome
Status: Revised Statement or Transmittal Received
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: 4128
Action:
Date: 08/25/94
Type: Tier Classification
Status: PEREFF
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 12/19/89
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: Not reported
Location Type: COMMERCIAL
INDUSTRIAL

L FARBER CO (Continued) **S101857703**

Source Type: UST
Response Action Outcome Class : A2
Oil / Haz Material Type : Oil

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142 **HONEY FARMS** **LUST** **S103545571**
West **231 CAMBRIDGE ST** **Release** **N/A**
1/2-1 **WORCESTER, MA**
4426 ft.

Relative: Higher

Actual: 478 ft.

LUST:
Facility ID: 2-0012491
Site Status: Response Action Outcome
Source Type: UST
Release Town: WORCESTER
Notification Date : 11/10/98
Category : 72 HR
Associated ID : -
Status Date : 04/22/03
Phase : PHASE III
Oil Or Haz Material : Oil
Response Action Outcome Class : A2
Action:
Date: 05/01/03
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: 6105
Action:
Date: 11/18/98
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/10/98
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/15/99
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6105
Action:
Date: 11/15/99
Type: Tier Classification
Status: Tier 2 Classification
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6105
Action:
Date: 09/24/02

HONEY FARMS (Continued) **S103545571**

Type: Immediate Response
Status: Status Report Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6105
Action:
Date: 05/01/03
Type: Phase II
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6105
Chemical Released:
Chemical: GASOLINE
Amount: 240, parts per million
Location Type: COMMERCIAL
Source Type: UST

MA RELEASE:
Facility ID: 2-0012491
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 04/22/03
Phase: PHASE III
Notification: 11/10/98
Category: 72 HR
Official City: WORCESTER
Action:
Date: 05/01/03
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: 6105
Action:
Date: 11/18/98
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/10/98
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/15/99
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6105
Action:
Date: 11/15/99

HONEY FARMS (Continued) **S103545571**

Type: Tier Classification
Status: Tier 2 Classification
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6105
Action:
Date: 09/24/02
Type: Immediate Response
Status: Status Report Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6105
Action:
Date: 05/01/03
Type: Phase II
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6105
Chemical Released:
Chemical: GASOLINE
Amount: 240, parts per million
Location Type: COMMERCIAL
Source Type: UST
Response Action Outcome Class : A2
Oil / Haz Material Type : Oil

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143 **SHWS** **S107395181**
NW **875 MAIN ST** **Release** **N/A**
1/2-1 **WORCESTER, MA 01610** **LEAD**
4534 ft.

Relative:
Higher

Actual:
521 ft.

SHWS:
Facility ID: 2-0015982
Site Status: Unclassified Waste Site
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 11/08/05
Category : 120 DY
Associated ID : -
Status Date : 11/08/05
Phase : Not reported
Oil Or Haz Material : Hazardous Material
Response Action Outcome Class : Not reported
Action:
Date: 11/08/05
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: ARSENIC
Amount: 88.1, micrograms per kilogram
Location Type: Not reported
Source Type: Not reported

(Continued) **S107395181**

MA RELEASE:
Facility ID: 2-0015982
Primary ID: -
Facility Status: Unclassified Waste Site
Status Date: 11/08/05
Phase: Not reported
Notification: 11/08/05
Category: 120 DY
Official City: WORCESTER
Action:
Date: 11/08/05
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: ARSENIC
Amount: 88.1, micrograms per kilogram
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Hazardous Material

LEAD:
Facility Id : MA000000409169
Unit : 1
Env Case Id : MA000000146518
Insp Date : 1999-04-12
Inspection Type : Comprehensive Initial Inspection
Inspection Results : No Violations Found
Inspector Name : Prudencio Mojica
Inspector License Number : 1350
Deleading Notif Work Start Date : Not reported
Compliance Letter Date : 1999-04-12
Complaince Type : Letter of Full Initial Insp. Compliance
Complaince Inspector Name : Prudencio Mojica
Complaince Inspector License # : 1350

AH144 **WYMAN GORDON BLDG 74** **LUST** **S101037852**
North **105 MADISON ST** **Release** **N/A**
1/2-1 **WORCESTER, MA 01610**
4582 ft.

Site 1 of 4 in cluster AH

Relative: Higher

Actual: 455 ft.

LUST:
Facility ID: 2-0013548
Site Status: Response Action Outcome Not Required
Source Type: UST
Release Town: WORCESTER
Notification Date : 11/03/00
Category : 72 HR
Associated ID : 2-0010256
Status Date : 01/10/01
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : Not reported
Action:
Date: 11/03/00

WYMAN GORDON BLDG 74 (Continued) **S101037852**

Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/10/01
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Action:
Date: 01/10/01
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Action:
Date: 01/04/01
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/23/03
Type: Tier Classification
Status: Tier 2 Extension
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - OIL
Amount: 2.3, inches
Location Type: INDUSTRIAL
Source Type: UST

MA RELEASE:
Facility ID: 2-0013548
Primary ID: 2-0010256
Facility Status: Response Action Outcome Not Required
Status Date: 01/10/01
Phase: Not reported
Notification: 11/03/00
Category: 72 HR
Official City: WORCESTER
Action:
Date: 11/03/00
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/10/01
Type: Immediate Response

WYMAN GORDON BLDG 74 (Continued) **S101037852**

Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Action:
Date: 01/10/01
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Action:
Date: 01/04/01
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/23/03
Type: Tier Classification
Status: Tier 2 Extension
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - OIL
Amount: 2.3, inches
Location Type: INDUSTRIAL
Source Type: UST
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Oil

AH145 **WYMAN GORDON INC.** **SHWS** **S101016189**
North **105 MADISON ST.** **Release** **N/A**
1/2-1 **WORCESTER, MA** **MA Spills**
4582 ft.

Site 2 of 4 in cluster AH

Relative:
Higher

Actual:
455 ft.

SHWS:
Facility ID: 2-0012950
Site Status: Response Action Outcome Not Required
Source Type: UNKNOWN
Release Town: WORCESTER
Notification Date : 09/24/99
Category : 72 HR
Associated ID : 2-0010256
Status Date : 09/29/00
Phase : Not reported
Oil Or Haz Material : Not reported
Response Action Outcome Class : Not reported
Action:
Date: 11/23/99
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:

WYMAN GORDON INC. (Continued) **S101016189**

Date: 09/29/00
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Action:
Date: 09/29/00
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Action:
Date: 09/24/99
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: .5, inches
Location Type: COMMERCIAL
INDUSTRIAL
Source Type: UNKNOWN

Facility ID: 2-0014921
Site Status: Response Action Outcome
Source Type: PIPE
Release Town: WORCESTER
Notification Date : 09/19/03
Category : TWO HR
Associated ID : -
Status Date : 01/20/04
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A1
Action:
Date: 02/04/04
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 9926
Action:
Date: 09/19/03
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Action:
Date: 03/18/04
Type: Immediate Response
Status: Level I - Technical Screen Audit

WYMAN GORDON INC. (Continued) **S101016189**

Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Action:
Date: 11/19/03
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Chemical Released:
Chemical: OIL
Amount: 25, gallons
Location Type: COMMERCIAL
INDUSTRIAL
Source Type: PIPE

Facility ID: 2-0010176
Site Status: Response Action Outcome
Source Type: FRM COOLNG
Release Town: WORCESTER
Notification Date : 01/31/94
Category : TWO HR
Associated ID : -
Status Date : 04/01/94
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A1
Action:
Date: 03/02/05
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/03/94
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/31/94
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/31/94
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported

WYMAN GORDON INC. (Continued) **S101016189**

Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: 10, gallons
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 1500, gallons
Location Type: INDUSTRIAL
Source Type: FRM COOLNG
PIPE
SYSTEM

Facility ID: 2-0010176
Site Status: Response Action Outcome
Source Type: PIPE
Release Town: WORCESTER
Notification Date : 01/31/94
Category : TWO HR
Associated ID : -
Status Date : 04/01/94
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A1
Action:
Date: 03/02/05
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/03/94
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/31/94
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/31/94
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: 10, gallons
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 1500, gallons

WYMAN GORDON INC. (Continued) **S101016189**

Location Type: INDUSTRIAL
Source Type: FRM COOLNG
PIPE
SYSTEM

Facility ID: 2-0010176
Site Status: Response Action Outcome
Source Type: SYSTEM
Release Town: WORCESTER
Notification Date : 01/31/94
Category : TWO HR
Associated ID : -
Status Date : 04/01/94
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A1
Action:
Date: 03/02/05
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/03/94
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/31/94
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/31/94
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: 10, gallons
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 1500, gallons
Location Type: INDUSTRIAL
Source Type: FRM COOLNG
PIPE
SYSTEM

WYMAN GORDON INC. (Continued) **S101016189**

Facility ID: 2-0012398
Site Status: Response Action Outcome Not Required
Source Type: UNKNOWN
Release Town: WORCESTER
Notification Date : 09/11/98
Category : 72 HR
Associated ID : 2-0010256
Status Date : 05/24/99
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : Not reported
Action:
Date: 05/28/99
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Action:
Date: 09/11/98
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Action:
Date: 11/12/98
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 05/24/99
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: FUEL OIL #2
Amount: 9, inches
Location Type: INDUSTRIAL
Source Type: UNKNOWN

MA RELEASE:
Facility ID: 2-0010176
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 04/01/94
Phase: Not reported
Notification: 01/31/94
Category: TWO HR
Official City: WORCESTER
Action:
Date: 03/02/05
Type: Response Action Outcome

WYMAN GORDON INC. (Continued) **S101016189**

Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/03/94
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/31/94
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/31/94
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: 10, gallons
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 1500, gallons
Location Type: INDUSTRIAL
Source Type: FRM COOLNG
PIPE
SYSTEM
Response Action Outcome Class : A1
Oil / Haz Material Type : Oil

Facility ID: 2-0012398
Primary ID: 2-0010256
Facility Status: Response Action Outcome Not Required
Status Date: 05/24/99
Phase: Not reported
Notification: 09/11/98
Category: 72 HR
Official City: WORCESTER
Action:
Date: 05/28/99
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Action:
Date: 09/11/98
Type: Release

WYMAN GORDON INC. (Continued) **S101016189**

Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Action:
Date: 11/12/98
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 05/24/99
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: FUEL OIL #2
Amount: 9, inches
Location Type: INDUSTRIAL
Source Type: UNKNOWN
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Oil

Facility ID: 2-0012950
Primary ID: 2-0010256
Facility Status: Response Action Outcome Not Required
Status Date: 09/29/00
Phase: Not reported
Notification: 09/24/99
Category: 72 HR
Official City: WORCESTER
Action:
Date: 11/23/99
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 09/29/00
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Action:
Date: 09/29/00
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Action:
Date: 09/24/99

WYMAN GORDON INC. (Continued) **S101016189**

Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: .5, inches
Location Type: COMMERCIAL
INDUSTRIAL
Source Type: UNKNOWN
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Not reported

Facility ID: 2-0014921
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 01/20/04
Phase: Not reported
Notification: 09/19/03
Category: TWO HR
Official City: WORCESTER
Action:
Date: 02/04/04
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 9926
Action:
Date: 09/19/03
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Action:
Date: 03/18/04
Type: Immediate Response
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Action:
Date: 11/19/03
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Chemical Released:
Chemical: OIL
Amount: 25, gallons
Location Type: COMMERCIAL
INDUSTRIAL
Source Type: PIPE

WYMAN GORDON INC. (Continued) **S101016189**

Response Action Outcome Class : A1
Oil / Haz Material Type : Oil

MA Spills:

Facility ID:	0000	Spill ID:	C93-0241
Staff Lead:	PHILLIPS, B	Date Entered:	Not reported
Last Entered:	05/14/1993	First Response:	05/14/1993
Spill Date:	05/14/1993	Report Date:	05/14/1993
Spill Time:	09:00AM	Report Time:	10:00AM
Case Closed:	YES	Mat Type:	PETROLEUM
Virgin Waste:	VIRGIN	Contam Soil:	Not reported
Env Impact:	SOIL	Other Impact:	Not reported
Material:	GASOLINE	Other Material:	Not reported
CAS No:	Not reported	PCB Lev (ppm):	NONE
Qty Reported:	UNKNOWN GALLONS		
Qty Actual:	UNKNOWN GALLONS		
Source:	BELOW-GRND TANK	Other Source:	Not reported
Incident:	TANK REMOVAL	Other Incdnt:	Not reported
Cleanup Type:	---	Contractor:	NOT USED
Referral:	NO	LUST Elig:	NO
Notifier:	BRAD MIDDLESWORTH		
Notif Tel:	Not reported		
Report Prep:	Not reported	Category:	Not reported
Days/Close:	0		

Facility ID:	0000	Spill ID:	C85-0098
Staff Lead:	SCIANNAMEO, F	Date Entered:	06/09/1993
Last Entered:	05/16/1985	First Response:	05/16/1985
Spill Date:	05/16/1985	Report Date:	05/16/1985
Spill Time:	11:00AM	Report Time:	11:00AM
Case Closed:	YES	Mat Type:	HAZARDOUS
Virgin Waste:	WASTE	Contam Soil:	Not reported
Env Impact:	Not reported	Other Impact:	Not reported
Material:	OTHER MATERIAL -->	Other Material:	COOLING WATER CHEM ADDTVE
CAS No:	Not reported	PCB Lev (ppm):	NONE
Qty Reported:	11-50 GALLONS		
Qty Actual:	UNKNOWN GALLONS		
Source:	DRUM	Other Source:	Not reported
Incident:	LEAK	Other Incdnt:	Not reported
Cleanup Type:	---	Contractor:	NOT USED
Referral:	NO	LUST Elig:	NO
Notifier:	BRAD MIDDLESWORTH, WYMAN		
Notif Tel:	Not reported		
Report Prep:	Not reported	Category:	Not reported
Days/Close:	0		

Facility ID:	0000	Spill ID:	C86-0418
Staff Lead:	SALVADORE, D	Date Entered:	Not reported
Last Entered:	12/19/1986	First Response:	12/19/1986
Spill Date:	12/19/1986	Report Date:	12/19/1986
Spill Time:	06:00AM	Report Time:	11:00AM
Case Closed:	YES	Mat Type:	PETROLEUM
Virgin Waste:	VIRGIN	Contam Soil:	Not reported
Env Impact:	SOIL	Other Impact:	Not reported
Material:	#6 FUEL OIL	Other Material:	Not reported
CAS No:	Not reported	PCB Lev (ppm):	NONE
Qty Reported:	5001-10,000 GALLONS		
Qty Actual:	5001-10,000 GALLONS		

WYMAN GORDON INC. (Continued) **S101016189**

Source:	ABOVE-GRND TANK	Other Source:	Not reported
Incident:	OTHER RELEASE >	Other Incdnt:	INCOR. FLOW POS
Cleanup Type:	---	Contractor:	NOT USED
Referral:	NO	LUST Elig:	NO
Notifier:	RICHARD HAUTANIEMI, PLANT		
Notif Tel:	Not reported		
Report Prep:	Not reported	Category:	Not reported
Days/Close:	-12		

Facility ID:	0000	Spill ID:	C87-0327
Staff Lead:	Not reported	Date Entered:	09/17/1987
Last Entered:	08/11/1987	First Response:	08/11/1987
Spill Date:	08/07/1987	Report Date:	08/07/1987
Spill Time:	03:00	Report Time:	04:00
Case Closed:	YES	Mat Type:	HAZARDOUS
Virgin Waste:	WASTE	Contam Soil:	Not reported
Env Impact:	Not reported	Other Impact:	Not reported
Material:	MINERAL SPIRITS	Other Material:	Not reported
CAS No:	Not reported	PCB Lev (ppm):	Not reported
Qty Reported:	51-100 GALLONS		
Qty Actual:	51-100 GALLONS		
Source:	ABOVE-GRND TANK	Other Source:	Not reported
Incident:	Not reported	Other Incdnt:	Not reported
Cleanup Type:	Not reported	Contractor:	NOT USED
Referral:	NO	LUST Elig:	Not reported
Notifier:	Not reported		
Notif Tel:	Not reported		
Report Prep:	Not reported	Category:	Not reported
Days/Close:	1		

Facility ID:	0000	Spill ID:	C90-0599
Staff Lead:	BRESNAHAN, C	Date Entered:	Not reported
Last Entered:	09/21/1990	First Response:	09/21/1990
Spill Date:	09/21/1990	Report Date:	09/21/1990
Spill Time:	10:15AM	Report Time:	11:45AM
Case Closed:	YES	Mat Type:	HAZARDOUS
Virgin Waste:	VIRGIN	Contam Soil:	Not reported
Env Impact:	SOIL	Other Impact:	Not reported
Material:	NITRIC ACID	Other Material:	Not reported
CAS No:	07697-37-2	PCB Lev (ppm):	NONE
Qty Reported:	1-10 GALLONS		
Qty Actual:	---------- ----------		
Source:	TANKER TRUCK	Other Source:	Not reported
Incident:	OVERFILL	Other Incdnt:	Not reported
Cleanup Type:	---	Contractor:	NOT USED
Referral:	NO	LUST Elig:	NO
Notifier:	J OSTROSKY/WYMAN GORDON		
Notif Tel:	Not reported		
Report Prep:	Not reported	Category:	Not reported
Days/Close:	1		

Facility ID:	0000	Spill ID:	C90-0622
Staff Lead:	SALVADORE, D	Date Entered:	Not reported
Last Entered:	10/03/1990	First Response:	10/03/1990
Spill Date:	10/03/1990	Report Date:	10/03/1990
Spill Time:	Not reported	Report Time:	04:30PM
Case Closed:	YES	Mat Type:	PETROLEUM

WYMAN GORDON INC. (Continued) **S101016189**

Virgin Waste:	WASTE	Contam Soil:	Not reported
Env Impact:	Not reported	Other Impact:	Not reported
Material:	WASTE OIL	Other Material:	Not reported
CAS No:	Not reported	PCB Lev (ppm):	NONE
Qty Reported:	1-10 GALLONS		
Qty Actual:	UNKNOWN ----------		
Source:	OTHER SOURCE >	Other Source:	UNKNOWN
Incident:	OTHER RELEASE >	Other Incdnt:	UNKNOWN
Cleanup Type:	---	Contractor:	NOT USED
Referral:	NO	LUST Elig:	NO
Notifier:	J OSTROSKY		
Notif Tel:	Not reported		
Report Prep:	Not reported	Category:	Not reported
Days/Close:	1		

Facility ID:	0000	Spill ID:	C90-0643
Staff Lead:	LEBLANC, M	Date Entered:	Not reported
Last Entered:	10/14/1990	First Response:	10/14/1990
Spill Date:	10/14/1990	Report Date:	10/14/1990
Spill Time:	11:30PM	Report Time:	11:15AM
Case Closed:	YES	Mat Type:	PETROLEUM
Virgin Waste:	WASTE	Contam Soil:	Not reported
Env Impact:	SOIL	Other Impact:	Not reported
Material:	WASTE OIL	Other Material:	Not reported
CAS No:	Not reported	PCB Lev (ppm):	NONE
Qty Reported:	UNKNOWN ----------		
Qty Actual:	UNKNOWN ----------		
Source:	OTHER SOURCE >	Other Source:	WWTP
Incident:	OVERFILL	Other Incdnt:	Not reported
Cleanup Type:	---	Contractor:	NOT USED
Referral:	NO	LUST Elig:	NO
Notifier:	J OSTROTSKY		
Notif Tel:	Not reported		
Report Prep:	Not reported	Category:	Not reported
Days/Close:	1		

Facility ID:	0000	Spill ID:	C90-0688
Staff Lead:	SALVADORE, D	Date Entered:	Not reported
Last Entered:	10/30/1990	First Response:	10/30/1990
Spill Date:	10/30/1990	Report Date:	10/30/1990
Spill Time:	04:00PM	Report Time:	04:30PM
Case Closed:	YES	Mat Type:	NEITHER
Virgin Waste:	WASTE	Contam Soil:	Not reported
Env Impact:	Not reported	Other Impact:	Not reported
Material:	OTHER MATERIAL -->	Other Material:	INDUSTRIAL WASTE WATER
CAS No:	Not reported	PCB Lev (ppm):	NONE
Qty Reported:	501-1000 GALLONS		
Qty Actual:	UNKNOWN ----------		
Source:	OTHER SOURCE >	Other Source:	TREATMENT PLANT
Incident:	OVERFILL	Other Incdnt:	Not reported
Cleanup Type:	---	Contractor:	NOT USED
Referral:	NO	LUST Elig:	NO
Notifier:	J OSTROSKY		
Notif Tel:	Not reported		
Report Prep:	Not reported	Category:	Not reported
Days/Close:	1		

WYMAN GORDON INC. (Continued) **S101016189**

Facility ID:	0000	Spill ID:	C91-0658
Staff Lead:	COOPERMAN, S	Date Entered:	Not reported
Last Entered:	12/24/1991	First Response:	12/24/1991
Spill Date:	12/24/1991	Report Date:	12/24/1991
Spill Time:	Not reported	Report Time:	Not reported
Case Closed:	YES	Mat Type:	PETROLEUM
Virgin Waste:	VIRGIN	Contam Soil:	Not reported
Env Impact:	SOIL	Other Impact:	Not reported
Material:	OTHER MATERIAL -->	Other Material:	QUENCH OIL
CAS No:	Not reported	PCB Lev (ppm):	NONE
Qty Reported:	UNKNOWN GALLONS		
Qty Actual:	UNKNOWN GALLONS		
Source:	PIPE/HOSE/LINE	Other Source:	Not reported
Incident:	LEAK	Other Incdnt:	Not reported
Cleanup Type:	---	Contractor:	NOT USED
Referral:	NO	LUST Elig:	NO
Notifier:	JOHN OSTROSKY (WYMAN GORD		
Notif Tel:	Not reported		
Report Prep:	Not reported	Category:	Not reported
Days/Close:	111		

AH146 **WYMAN GORDON CO** **SHWS** **1000150425**
North **105 MADISON STREET** **FINDS** **01613WYMNG10**
1/2-1 **WORCESTER, MA 01610** **Release**
4582 ft. **RCRA-LQG**
TRIS
Site 3 of 4 in cluster AH **RCRA-TSDF**
Relative: **UST**
Higher **CORRACTS**
CERC-NFRAP
Actual: **LAST**
455 ft. **CT MANIFEST**

CERCLIS-NFRAP Classification Data:

Federal Facility:	Not a Federal Facility
Non NPL Code:	DR
NPL Status:	Not on the NPL

CERCLIS-NFRAP Assessment History:

Assessment:	DISCOVERY	Completed:	07/30/1991
Assessment:	PRELIMINARY ASSESSMENT	Completed:	09/30/1992
Assessment:	ARCHIVE SITE	Completed:	05/09/1996

CORRACTS Data:

EPA Id:	MAD001128016
Region:	01
Area Name:	ENTIRE FACILITY
Actual Date:	11/23/1992
Corrective Action:	CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority
2002 NAICS Title:	Iron and Steel Forging Nonferrous Forging

WYMAN GORDON CO (Continued) **1000150425**

RCRAInfo Corrective Action Summary:
Event: CA Prioritization, Facility or area was assigned a medium corrective action priority.
Event Date: 11/23/1992

RCRAInfo:
Owner: WYMAN GORDON COMPANY
EPA ID: MAD001128016

Contact: LUKE-A GILMORE
(508) 756-5111

Classification: Large Quantity Generator, TSDF
TSDF Activities: Not reported

BIENNIAL REPORTS:
Last Biennial Reporting Year: 2003

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D002	2825.69	D004	7756.46
D007	23192.66	D008	7756.46
D009	7756.46	D039	7756.46
D040	7756.46	D043	7756.46

Violation Status: Violations exist

Regulation Violated: 341(5)
Area of Violation: CONTAINER MGT=SAT'LITE ACCUMS/CONTAINER
Date Violation Determined: 09/29/2004
Actual Date Achieved Compliance: 09/29/2004

Enforcement Action: VERBAL INFORMAL
Enforcement Action Date: 09/29/2004
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-CLOSURE/POST-CLOSURE REQUIREMENTS
Date Violation Determined: 07/10/1990
Actual Date Achieved Compliance: 09/26/1990

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 08/01/1990
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 07/10/1990
Actual Date Achieved Compliance: 09/26/1990

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 08/01/1990
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 06/05/1989
Actual Date Achieved Compliance: 10/25/1989

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 08/07/1989
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)

WYMAN GORDON CO (Continued) **1000150425**

Date Violation Determined: 01/13/1988
Actual Date Achieved Compliance: 03/25/1988

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 02/05/1988
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 04/15/1987
Actual Date Achieved Compliance: 06/18/1987

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 04/23/1987
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 09/25/1985
Actual Date Achieved Compliance: 01/22/1986

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 09/25/1985
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 09/25/1985
Actual Date Achieved Compliance: 01/22/1986

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 09/25/1985
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 09/20/1984
Actual Date Achieved Compliance: 08/08/1985

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 10/02/1984
Penalty Type: Not reported

There are 9 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Detailed Multimedia Inspection	CONTAINER MGT=SAT'LITE ACCUMS/CONTAINER	20040929
Compliance Evaluation Inspection	TSD-CLOSURE/POST-CLOSURE REQUIREMENTS	19900926
Compliance Evaluation Inspection	TSD-CLOSURE/POST-CLOSURE REQUIREMENTS	19900926
	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19900926
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19891025
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19880325
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19870618
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19860122
	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19860122
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19850808

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

WYMAN GORDON CO (Continued) **1000150425**

FINDS:
Other Pertinent Environmental Activity Identified at Site:
AEROMETRIC INFORMATION RETRIEVAL SYSTEM/AIRS FACILITY SYSTEM
NATIONAL COMPLIANCE DATABASE SYSTEM
NATIONAL EMISSIONS INVENTORY
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM
TOXIC CHEMICAL RELEASE INVENTORY SYSTEM

SHWS:
Facility ID: 2-0013510
Site Status: Response Action Outcome Not Required
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 01/20/00
Category : 120 DY
Associated ID : 2-0010256
Status Date : 01/09/01
Phase : Not reported
Oil Or Haz Material : Hazardous Material
Response Action Outcome Class : Not reported
Action:
Date: 01/09/01
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/20/00
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: ETHANE, 1,1,1-TRICHLORO-
Amount: 210, micrograms per kilogram
Chemical Released:
Chemical: ETHANE, 1,1-DICHLORO-
Amount: 21, micrograms per kilogram
Chemical Released:
Chemical: ETHENE, 1,1-DICHLORO-
Amount: 13, micrograms per liter
Location Type: Not reported
Source Type: Not reported

LAST:
Facility ID: 2-0014918
Site Status: Response Action Outcome
Source Type: AST
Release Town: WORCESTER
Notification Date : 09/17/03
Category : TWO HR
Associated ID : -
Status Date : 01/20/04
Phase : Not reported
Oil Or Haz Material : Not reported
Response Action Outcome Class : A1

WYMAN GORDON CO (Continued) **1000150425**

Action:
Date: 02/03/04
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 9926
Action:
Date: 11/18/03
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Action:
Date: 02/03/04
Type: Immediate Response
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Action:
Date: 09/17/03
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 75, gallons
Location Type: COMMERCIAL
Source Type: AST

MA RELEASE:
Facility ID: 2-0013510
Primary ID: 2-0010256
Facility Status: Response Action Outcome Not Required
Status Date: 01/09/01
Phase: Not reported
Notification: 01/20/00
Category: 120 DY
Official City: WORCESTER
Action:
Date: 01/09/01
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/20/00
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported

WYMAN GORDON CO (Continued) **1000150425**

Chemical Released:
Chemical: ETHANE, 1,1,1-TRICHLORO-
Amount: 210, micrograms per kilogram
Chemical Released:
Chemical: ETHANE, 1,1-DICHLORO-
Amount: 21, micrograms per kilogram
Chemical Released:
Chemical: ETHENE, 1,1-DICHLORO-
Amount: 13, micrograms per liter
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Hazardous Material

Facility ID: 2-0014918
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 01/20/04
Phase: Not reported
Notification: 09/17/03
Category: TWO HR
Official City: WORCESTER
Action:
Date: 02/03/04
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 9926
Action:
Date: 11/18/03
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Action:
Date: 02/03/04
Type: Immediate Response
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Action:
Date: 09/17/03
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 75, gallons
Location Type: COMMERCIAL
Source Type: AST
Response Action Outcome Class : A1

WYMAN GORDON CO (Continued) **1000150425**

Oil / Haz Material Type : Not reported

UST:

Facility ID:	18342
Tank ID:	1
Tank Status:	Removed
Tank Useage:	Not reported
Capacity:	2000
Owner:	WYMAN-GORDON COMPANY
Owner Address:	PO BOX 8001
	GRAFTON, MA 01536
Serial Number:	Not reported
Aboveground:	No
Contents:	Gasoline
Tank Material:	Steel
Tank Contents:	Not reported
Tank Leak Detection:	Not reported
Pipe Leak Detection:	Not reported
Description :	Industrial
Fire Dept. ID :	27348
Financial Responsibility :	Commercial,

Facility ID:	18342
Tank ID:	2
Tank Status:	Removed
Tank Useage:	Not reported
Capacity:	2000
Owner:	WYMAN-GORDON COMPANY
Owner Address:	PO BOX 8001
	GRAFTON, MA 01536
Serial Number:	Not reported
Aboveground:	No
Contents:	Gasoline
Tank Material:	Steel
Tank Contents:	Not reported
Tank Leak Detection:	Not reported
Pipe Leak Detection:	Not reported
Description :	Industrial
Fire Dept. ID :	27348
Financial Responsibility :	Commercial,

WYMAN GORDON CO (Continued) **1000150425**

Facility ID: 18342
Tank ID: 3
Tank Status: Removed
Tank Useage: Not reported
Capacity: 1000
Owner: WYMAN-GORDON COMPANY
Owner Address: PO BOX 8001
GRAFTON, MA 01536
Serial Number: Not reported
Aboveground: No
Contents: Gasoline
Tank Material: Steel
Tank Contents: Not reported
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Description : Industrial
Fire Dept. ID : 27348
Financial Responsibility : Commercial,

Facility ID: 18342
Tank ID: 4
Tank Status: Removed
Tank Useage: Not reported
Capacity: 1000
Owner: WYMAN-GORDON COMPANY
Owner Address: PO BOX 8001
GRAFTON, MA 01536
Serial Number: Not reported
Aboveground: No
Contents: Gasoline
Tank Material: Steel
Tank Contents: Not reported
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Description : Industrial
Fire Dept. ID : 27348
Financial Responsibility : Commercial,

Facility ID: 18342
Tank ID: 5
Tank Status: Removed
Tank Useage: Not reported
Capacity: 1000
Owner: WYMAN-GORDON COMPANY
Owner Address: PO BOX 8001
GRAFTON, MA 01536
Serial Number: Not reported
Aboveground: No
Contents: Waste Oil
Tank Material: Steel
Tank Contents: Not reported
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Description : Industrial
Fire Dept. ID : 27348
Financial Responsibility : Commercial,

WYMAN GORDON CO (Continued) **1000150425**

Facility ID: 18342
Tank ID: 6
Tank Status: Removed
Tank Useage: MV
Capacity: 10000
Owner: WYMAN-GORDON COMPANY
Owner Address: PO BOX 8001
GRAFTON, MA 01536
Serial Number: Not reported
Aboveground: No
Contents: Gasoline
Tank Material: Steel
Tank Contents: 1 Wall
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Description : Industrial
Fire Dept. ID : 27348
Financial Responsibility : Commercial,

Facility ID: 18342
Tank ID: 7
Tank Status: Removed
Tank Useage: Not reported
Capacity: 800
Owner: WYMAN-GORDON COMPANY
Owner Address: PO BOX 8001
GRAFTON, MA 01536
Serial Number: Not reported
Aboveground: No
Contents: Waste Oil
Tank Material: Not reported
Tank Contents: Concrete
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Description : Industrial
Fire Dept. ID : 27348
Financial Responsibility : Commercial,

Facility ID: 18342
Tank ID: 8
Tank Status: Removed
Tank Useage: Not reported
Capacity: 5200
Owner: WYMAN-GORDON COMPANY
Owner Address: PO BOX 8001
GRAFTON, MA 01536
Serial Number: Not reported
Aboveground: No
Contents: Waste Oil
Tank Material: Steel
Tank Contents: 1 Wall
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Description : Industrial
Fire Dept. ID : 27348
Financial Responsibility : Commercial,

WYMAN GORDON CO (Continued) **1000150425**

Facility ID: 18342
Tank ID: 9
Tank Status: Removed
Tank Useage: Not reported
Capacity: 5000
Owner: WYMAN-GORDON COMPANY
Owner Address: PO BOX 8001
GRAFTON, MA 01536
Serial Number: Not reported
Aboveground: No
Contents: Other
Tank Material: Steel
Tank Contents: 1 Wall
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Description : Industrial
Fire Dept. ID : 27348
Financial Responsibility : Commercial,

Facility ID: 18342
Tank ID: 10
Tank Status: Removed
Tank Useage: Not reported
Capacity: 5000
Owner: WYMAN-GORDON COMPANY
Owner Address: PO BOX 8001
GRAFTON, MA 01536
Serial Number: Not reported
Aboveground: No
Contents: Other
Tank Material: Steel
Tank Contents: 1 Wall
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Description : Industrial
Fire Dept. ID : 27348
Financial Responsibility : Commercial,

Facility ID: 18342
Tank ID: 11
Tank Status: Removed
Tank Useage: Not reported
Capacity: 5000
Owner: WYMAN-GORDON COMPANY
Owner Address: PO BOX 8001
GRAFTON, MA 01536
Serial Number: Not reported
Aboveground: No
Contents: Other
Tank Material: Steel
Tank Contents: 1 Wall
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Description : Industrial
Fire Dept. ID : 27348
Financial Responsibility : Commercial,

WYMAN GORDON CO (Continued) **1000150425**

Facility ID: 18342
Tank ID: 12
Tank Status: Removed
Tank Useage: Not reported
Capacity: 5000
Owner: WYMAN-GORDON COMPANY
Owner Address: PO BOX 8001
GRAFTON, MA 01536
Serial Number: Not reported
Aboveground: No
Contents: Other
Tank Material: Steel
Tank Contents: 1 Wall
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Description : Industrial
Fire Dept. ID : 27348
Financial Responsibility : Commercial,

Facility ID: 18342
Tank ID: 13
Tank Status: Removed
Tank Useage: Not reported
Capacity: 900
Owner: WYMAN-GORDON COMPANY
Owner Address: PO BOX 8001
GRAFTON, MA 01536
Serial Number: Not reported
Aboveground: No
Contents: Waste Oil
Tank Material: Steel
Tank Contents: 1 Wall
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Description : Industrial
Fire Dept. ID : 27348
Financial Responsibility : Commercial,

Facility ID: 18342
Tank ID: 14
Tank Status: Removed
Tank Useage: Not reported
Capacity: 2000
Owner: WYMAN-GORDON COMPANY
Owner Address: PO BOX 8001
GRAFTON, MA 01536
Serial Number: Not reported
Aboveground: No
Contents: Gasoline
Tank Material: Steel
Tank Contents: 1 Wall
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Description : Industrial
Fire Dept. ID : 27348
Financial Responsibility : Commercial,

WYMAN GORDON CO (Continued) **1000150425**

CT MANIFEST:

Manifest ID:	CTA0003072
TSDF EPA ID:	CTD093616613
TSDF Telephone:	Not reported
TSDF Name:	ENVIRITE CORP
TSDF Address:	OLD WATERBURY ROAD
	THOMASTON, CT 06787
TSDF Country:	USA
Transporter 1 EPA ID:	CTD093616613
Trans. 1 Phone:	Not reported
Trans. 1 Name:	ENVIRITE CORP
Trans. 1 Address:	Not reported
	CT
Trans. 1 Country:	USA
Transp. 1 date:	19840926
Transporter 2 EPA ID:	Not reported
Trans. 2 Phone:	Not reported
Trans. 2 Name:	Not reported
Trans. 2 Address:	Not reported
	CT
Trans. 2 Country:	USA
Transp. 2 date:	Not reported
Generator EPA ID:	MAD001128016
Gen. Facility Phone:	6177565111
Gen. Site Address:	Not reported
	Not reported
Gen. Site County:	Not reported
Special Handling:	Yes
Discrepancies:	No
Date Shipped:	19840926
Date Received:	19840926
Comments:	Not reported
Year:	1984
Last modified date:	20040427
Last modified by:	IG

Manifest ID:	CTA0003073
TSDF EPA ID:	CTD093616613
TSDF Telephone:	Not reported
TSDF Name:	ENVIRITE CORP
TSDF Address:	OLD WATERBURY ROAD
	THOMASTON, CT 06787
TSDF Country:	USA
Transporter 1 EPA ID:	CTD093616613
Trans. 1 Phone:	Not reported
Trans. 1 Name:	ENVIRITE CORP
Trans. 1 Address:	Not reported
	CT
Trans. 1 Country:	USA
Transp. 1 date:	19841012
Transporter 2 EPA ID:	Not reported
Trans. 2 Phone:	Not reported
Trans. 2 Name:	Not reported
Trans. 2 Address:	Not reported
	CT
Trans. 2 Country:	USA
Transp. 2 date:	Not reported

WYMAN GORDON CO (Continued) **1000150425**

Generator EPA ID:	MAD001128016
Gen. Facility Phone:	6177565111
Gen. Site Address:	Not reported
	Not reported
Gen. Site County:	Not reported
Special Handling:	Yes
Discrepancies:	No
Date Shipped:	19841012
Date Received:	19841012
Comments:	Not reported
Year:	1984
Last modified date:	20040427
Last modified by:	IG
Manifest ID:	CTA0003074
TSDF EPA ID:	CTD093616613
TSDF Telephone:	Not reported
TSDF Name:	ENVIRITE CORP
TSDF Address:	OLD WATERBURY ROAD
	THOMASTON, CT 06787
TSDF Country:	USA
Transporter 1 EPA ID:	CTD093616613
Trans. 1 Phone:	Not reported
Trans. 1 Name:	ENVIRITE CORP
Trans. 1 Address:	Not reported
	CT
Trans. 1 Country:	USA
Transp. 1 date:	19841024
Transporter 2 EPA ID:	Not reported
Trans. 2 Phone:	Not reported
Trans. 2 Name:	Not reported
Trans. 2 Address:	Not reported
	CT
Trans. 2 Country:	USA
Transp. 2 date:	Not reported
Generator EPA ID:	MAD001128016
Gen. Facility Phone:	6177565111
Gen. Site Address:	Not reported
	Not reported
Gen. Site County:	Not reported
Special Handling:	Yes
Discrepancies:	No
Date Shipped:	19841024
Date Received:	19841024
Comments:	Not reported
Year:	1984
Last modified date:	20040427
Last modified by:	IG
Manifest ID:	CTA0003075
TSDF EPA ID:	CTD093616613
TSDF Telephone:	Not reported
TSDF Name:	ENVIRITE CORP
TSDF Address:	OLD WATERBURY ROAD
	THOMASTON, CT 06787
TSDF Country:	USA
Transporter 1 EPA ID:	CTD093616613

WYMAN GORDON CO (Continued) **1000150425**

Trans. 1 Phone:	Not reported
Trans. 1 Name:	ENVIRITE CORP
Trans. 1 Address:	Not reported
	CT
Trans. 1 Country:	USA
Transp. 1 date:	19841106
Transporter 2 EPA ID:	Not reported
Trans. 2 Phone:	Not reported
Trans. 2 Name:	Not reported
Trans. 2 Address:	Not reported
	CT
Trans. 2 Country:	USA
Transp. 2 date:	Not reported
Generator EPA ID:	MAD001128016
Gen. Facility Phone:	6177565111
Gen. Site Address:	Not reported
	Not reported
Gen. Site County:	Not reported
Special Handling:	Yes
Discrepancies:	No
Date Shipped:	19841106
Date Received:	19841106
Comments:	Not reported
Year:	1984
Last modified date:	20040427
Last modified by:	IG
Manifest ID:	CTA0003076
TSDF EPA ID:	CTD093616613
TSDF Telephone:	Not reported
TSDF Name:	ENVIRITE CORP
TSDF Address:	OLD WATERBURY ROAD
	THOMASTON, CT 06787
TSDF Country:	USA
Transporter 1 EPA ID:	CTD093616613
Trans. 1 Phone:	Not reported
Trans. 1 Name:	ENVIRITE CORP
Trans. 1 Address:	Not reported
	CT
Trans. 1 Country:	USA
Transp. 1 date:	19841115
Transporter 2 EPA ID:	Not reported
Trans. 2 Phone:	Not reported
Trans. 2 Name:	Not reported
Trans. 2 Address:	Not reported
	CT
Trans. 2 Country:	USA
Transp. 2 date:	Not reported
Generator EPA ID:	MAD001128016
Gen. Facility Phone:	6177565111
Gen. Site Address:	Not reported
	Not reported
Gen. Site County:	Not reported
Special Handling:	Yes
Discrepancies:	No
Date Shipped:	19841115
Date Received:	19841115

WYMAN GORDON CO (Continued) **1000150425**

Comments:	Not reported
Year:	1984
Last modified date:	20040427
Last modified by:	IG
Manifest ID:	CTA0003077
TSDF EPA ID:	CTD093616613
TSDF Telephone:	Not reported
TSDF Name:	ENVIRITE CORP
TSDF Address:	OLD WATERBURY ROAD
	THOMASTON, CT 06787
TSDF Country:	USA
Transporter 1 EPA ID:	CTD093616613
Trans. 1 Phone:	Not reported
Trans. 1 Name:	ENVIRITE CORP
Trans. 1 Address:	Not reported
	CT
Trans. 1 Country:	USA
Transp. 1 date:	19841127
Transporter 2 EPA ID:	Not reported
Trans. 2 Phone:	Not reported
Trans. 2 Name:	Not reported
Trans. 2 Address:	Not reported
	CT
Trans. 2 Country:	USA
Transp. 2 date:	Not reported
Generator EPA ID:	MAD001128016
Gen. Facility Phone:	6177565111
Gen. Site Address:	Not reported
	Not reported
Gen. Site County:	Not reported
Special Handling:	Yes
Discrepancies:	No
Date Shipped:	19841127
Date Received:	19841127
Comments:	Not reported
Year:	1984
Last modified date:	20040427
Last modified by:	IG
Manifest ID:	CTA0003103
TSDF EPA ID:	CTD072138969
TSDF Telephone:	Not reported
TSDF Name:	ENVIRONMENTAL WASTE RESCOURCES, INC.
TSDF Address:	130 FREIGHT STREET
	WATERBURY, CT 06702
TSDF Country:	USA
Transporter 1 EPA ID:	CTD072138969
Trans. 1 Phone:	Not reported
Trans. 1 Name:	ENVIRONMENTAL WASTE RESCOURCES, INC.
Trans. 1 Address:	Not reported
	CT
Trans. 1 Country:	USA
Transp. 1 date:	19841025
Transporter 2 EPA ID:	Not reported
Trans. 2 Phone:	Not reported
Trans. 2 Name:	Not reported

WYMAN GORDON CO (Continued) **1000150425**

Trans. 2 Address:	Not reported
	CT
Trans. 2 Country:	USA
Transp. 2 date:	Not reported
Generator EPA ID:	MAD001128016
Gen. Facility Phone:	6177565111
Gen. Site Address:	Not reported
	Not reported
Gen. Site County:	Not reported
Special Handling:	Yes
Discrepancies:	No
Date Shipped:	19841025
Date Received:	Not reported
Comments:	Not reported
Year:	1984
Last modified date:	20040427
Last modified by:	IG

Manifest ID:	CTC0102794
TSDF EPA ID:	CTD093616613
TSDF Telephone:	Not reported
TSDF Name:	ENVIRITE CORP
TSDF Address:	OLD WATERBURY ROAD
	THOMASTON, CT 06787
TSDF Country:	USA
Transporter 1 EPA ID:	CTD093616613
Trans. 1 Phone:	Not reported
Trans. 1 Name:	ENVIRITE CORP
Trans. 1 Address:	Not reported
	CT
Trans. 1 Country:	USA
Transp. 1 date:	19880412
Transporter 2 EPA ID:	Not reported
Trans. 2 Phone:	Not reported
Trans. 2 Name:	Not reported
Trans. 2 Address:	Not reported
	CT
Trans. 2 Country:	USA
Transp. 2 date:	Not reported
Generator EPA ID:	MAD001128016
Gen. Facility Phone:	6177565111
Gen. Site Address:	Not reported
	Not reported
Gen. Site County:	Not reported
Special Handling:	Yes
Discrepancies:	No
Date Shipped:	19880412
Date Received:	19880412
Comments:	Not reported
Year:	1988
Last modified date:	20040427
Last modified by:	IG

Manifest ID:	CTC0102795
TSDF EPA ID:	CTD093616613
TSDF Telephone:	Not reported
TSDF Name:	ENVIRITE CORP

WYMAN GORDON CO (Continued) **1000150425**

TSDF Address:	OLD WATERBURY ROAD
	THOMASTON, CT 06787
TSDF Country:	USA
Transporter 1 EPA ID:	CTD093616613
Trans. 1 Phone:	Not reported
Trans. 1 Name:	ENVIRITE CORP
Trans. 1 Address:	Not reported
	CT
Trans. 1 Country:	USA
Transp. 1 date:	19880414
Transporter 2 EPA ID:	Not reported
Trans. 2 Phone:	Not reported
Trans. 2 Name:	Not reported
Trans. 2 Address:	Not reported
	CT
Trans. 2 Country:	USA
Transp. 2 date:	Not reported
Generator EPA ID:	MAD001128016
Gen. Facility Phone:	6177565111
Gen. Site Address:	Not reported
	Not reported
Gen. Site County:	Not reported
Special Handling:	Yes
Discrepancies:	No
Date Shipped:	19880414
Date Received:	19880415
Comments:	Not reported
Year:	1988
Last modified date:	20040427
Last modified by:	IG
Manifest ID:	CTC0102796
TSDF EPA ID:	CTD093616613
TSDF Telephone:	Not reported
TSDF Name:	ENVIRITE CORP
TSDF Address:	OLD WATERBURY ROAD
	THOMASTON, CT 06787
TSDF Country:	USA
Transporter 1 EPA ID:	CTD093616613
Trans. 1 Phone:	Not reported
Trans. 1 Name:	ENVIRITE CORP
Trans. 1 Address:	Not reported
	CT
Trans. 1 Country:	USA
Transp. 1 date:	19880503
Transporter 2 EPA ID:	Not reported
Trans. 2 Phone:	Not reported
Trans. 2 Name:	Not reported
Trans. 2 Address:	Not reported
	CT
Trans. 2 Country:	USA
Transp. 2 date:	Not reported
Generator EPA ID:	MAD001128016
Gen. Facility Phone:	6177565111
Gen. Site Address:	Not reported
	Not reported
Gen. Site County:	Not reported

WYMAN GORDON CO (Continued) **1000150425**

Special Handling: Yes
Discrepancies: No
Date Shipped: 19880503
Date Received: 19880503
Comments: Not reported
Year: 1988
Last modified date: 20040427
Last modified by: IG

Click this hyperlink while viewing on your computer to access
148 additional CT MANIFEST record(s) in the EDR Site Report.

AH147 **WYMAN GORDAN CO** **SHWS** **S101037876**
North **105 MADISON ST** **Release** **N/A**
1/2-1 **WORCESTER, MA 01615** **INST CONTROL**
4582 ft.

Site 4 of 4 in cluster AH

Relative:
Higher

Actual:
455 ft.

SHWS:
Facility ID: 2-0010256
Site Status: **Response Action Outcome**
Source Type: UNKNOWN
Release Town: WORCESTER
Notification Date : 06/12/95
Category : 120 DY
Associated ID : 2-0010256
Status Date : 12/15/03
Phase : PHASE IV
Oil Or Haz Material : Oil and Hazardous Material
Response Action Outcome Class : B1
Action:
Date: 03/19/01
Type: Partial Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.
Activity Use Limitaion: NOTICE
LSP Number: 6048
Action:
Date: 05/02/02
Type: Partial Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.
Activity Use Limitaion: NOTICE
LSP Number: 6048
Action:
Date: 12/06/05
Type: Partial Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NOTICE
LSP Number: 6048
Action:
Date: 05/30/02
Type: Response Action Outcome

WYMAN GORDAN CO (Continued) **S101037876**

Status: Level I - Technical Screen Audit
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.
Activity Use Limitaion: NOTICE
LSP Number: 6048
Action:
Date: 06/19/03
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A temporary solution, which ensures the elimination of any substantialhazard, has been achieved at the disposal site.
Activity Use Limitaion: NONE
LSP Number: 9926
Action:
Date: 12/15/03
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.
Activity Use Limitaion: NONE
LSP Number: 6048
Action:
Date: 03/19/01
Type: Activity and Use Limitation
Status: Transmittal Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6048
Action:
Date: 10/07/02
Type: Phase II
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Action:
Date: 10/21/05
Type: Release Abatement Measure
Status: Level II - Audit Inspection
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6048
Action:
Date: 04/23/03
Type: Tier Classification
Status: Tier 2 Extension
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Action:
Date: 02/20/02
Type: Utility-related Abatement Measure
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6048

WYMAN GORDAN CO (Continued) **S101037876**

Action:
Date: 09/29/00
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 05/10/04
Type: Phase IV
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Action:
Date: 10/30/01
Type: Utility-related Abatement Measure
Status: Notification of URAM Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/11/95
Type: Release
Status: RETRAC
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/07/02
Type: Release Abatement Measure
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6048
Action:
Date: 07/02/98
Type: Release Abatement Measure
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Action:
Date: 02/22/00
Type: Release Abatement Measure
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Action:
Date: 03/21/97
Type: Release Abatement Measure
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 3276
Action:

WYMAN GORDAN CO (Continued) **S101037876**

Date: 06/19/96
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Action:
Date: 06/12/95
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/23/98
Type: Release Abatement Measure
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Action:
Date: 03/24/03
Type: Phase III
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Action:
Date: 06/01/95
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/19/96
Type: Downgradient Property Status
Status: Transmittal Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Chemical Released:
Chemical: TOTAL PETROLEUM HYDROCARBONS (TPH)
Amount: 2150, micrograms per kilogram
Chemical Released:
Chemical: LEAD
Amount: 8900, micrograms per kilogram
Chemical Released:
Chemical: ETHENE, 1,2-DICHLORO-
Amount: 77, micrograms per liter
Chemical Released:
Chemical: ETHENE, CHLORO-
Amount: 50, micrograms per liter
Chemical Released:
Chemical: ETHENE, 1,1-DICHLORO-
Amount: .0024, micrograms per liter
Chemical Released:

WYMAN GORDAN CO (Continued) **S101037876**

Chemical: ARSENIC
Amount: 45.4, micrograms per kilogram
Chemical Released:
Chemical: ARSENIC
Amount: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - OIL
Amount: 248900, parts per billion
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - OIL
Amount: 18100, parts per million
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: Not reported
Location Type: Not reported
Source Type: UNKNOWN

MA INSTITUTIONAL CONTROL:
Release Tracking Number: 2-0010256
Description : AUL received on 3/19/2001

MA RELEASE:
Facility ID: 2-0010256
Primary ID: 2-0010256
Facility Status: Response Action Outcome
Status Date: 12/15/03
Phase: PHASE IV
Notification: 06/12/95
Category: 120 DY
Official City: WORCESTER
Action:
Date: 03/19/01
Type: Partial Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.
Activity Use Limitaion: NOTICE
LSP Number: 6048
Action:
Date: 05/02/02
Type: Partial Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.
Activity Use Limitaion: NOTICE
LSP Number: 6048
Action:
Date: 12/06/05
Type: Partial Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NOTICE
LSP Number: 6048
Action:
Date: 05/30/02

WYMAN GORDAN CO (Continued) **S101037876**

Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists, but that level is contingent upon one or more AULs that have been implemented.
Activity Use Limitaion: NOTICE
LSP Number: 6048
Action:
Date: 06/19/03
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A temporary solution, which ensures the elimination of any substantialhazard, has been achieved at the disposal site.
Activity Use Limitaion: NONE
LSP Number: 9926
Action:
Date: 12/15/03
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.
Activity Use Limitaion: NONE
LSP Number: 6048
Action:
Date: 03/19/01
Type: Activity and Use Limitation
Status: Transmittal Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6048
Action:
Date: 10/07/02
Type: Phase II
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Action:
Date: 10/21/05
Type: Release Abatement Measure
Status: Level II - Audit Inspection
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6048
Action:
Date: 04/23/03
Type: Tier Classification
Status: Tier 2 Extension
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Action:
Date: 02/20/02
Type: Utility-related Abatement Measure
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:

WYMAN GORDAN CO (Continued) **S101037876**

LSP Number: 6048
Action:
Date: 09/29/00
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 05/10/04
Type: Phase IV
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Action:
Date: 10/30/01
Type: Utility-related Abatement Measure
Status: Notification of URAM Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/11/95
Type: Release
Status: RETRAC
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/07/02
Type: Release Abatement Measure
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6048
Action:
Date: 07/02/98
Type: Release Abatement Measure
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Action:
Date: 02/22/00
Type: Release Abatement Measure
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Action:
Date: 03/21/97
Type: Release Abatement Measure
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 3276

WYMAN GORDAN CO (Continued) **S101037876**

Action:
Date: 06/19/96
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Action:
Date: 06/12/95
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/23/98
Type: Release Abatement Measure
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Action:
Date: 03/24/03
Type: Phase III
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Action:
Date: 06/01/95
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/19/96
Type: Downgradient Property Status
Status: Transmittal Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9926
Chemical Released:
Chemical: TOTAL PETROLEUM HYDROCARBONS (TPH)
Amount: 2150, micrograms per kilogram
Chemical Released:
Chemical: LEAD
Amount: 8900, micrograms per kilogram
Chemical Released:
Chemical: ETHENE, 1,2-DICHLORO-
Amount: 77, micrograms per liter
Chemical Released:
Chemical: ETHENE, CHLORO-
Amount: 50, micrograms per liter
Chemical Released:
Chemical: ETHENE, 1,1-DICHLORO-
Amount: .0024, micrograms per liter

WYMAN GORDAN CO (Continued) **S101037876**

Chemical Released:
Chemical: ARSENIC
Amount: 45.4, micrograms per kilogram
Chemical Released:
Chemical: ARSENIC
Amount: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - OIL
Amount: 248900, parts per billion
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - OIL
Amount: 18100, parts per million
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: Not reported
Location Type: Not reported
Source Type: UNKNOWN
Response Action Outcome Class : B1
Oil / Haz Material Type : Oil and Hazardous Material

AI148 **GARAGE** **SHWS** **S103545604**
SW **939 SOUTHBRIDGE ST** **Release** **N/A**
1/2-1 **WORCESTER, MA 01610**
4589 ft.

Site 1 of 6 in cluster AI

Relative: Higher

Actual: 473 ft.

SHWS:
Facility ID: 2-0012534
Site Status: Response Action Outcome Not Required
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 11/23/98
Category : 120 DY
Associated ID : 2-0012123
Status Date : 03/04/99
Phase : Not reported
Oil Or Haz Material : Hazardous Material
Response Action Outcome Class : Not reported
Action:
Date: 03/04/99
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/23/98
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/03/99
Type: Tier Classification
Status: LNKVTC
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported

GARAGE (Continued) **S103545604**

Chemical Released:
Chemical: ARSENIC
Amount: 62, parts per million
Location Type: Not reported
Source Type: Not reported

MA RELEASE:
Facility ID: 2-0012534
Primary ID: 2-0012123
Facility Status: Response Action Outcome Not Required
Status Date: 03/04/99
Phase: Not reported
Notification: 11/23/98
Category: 120 DY
Official City: WORCESTER
Action:
Date: 03/04/99
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/23/98
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/03/99
Type: Tier Classification
Status: LNKVTC
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: ARSENIC
Amount: 62, parts per million
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Hazardous Material

AI149 **MA ELECTRIC CO** **SHWS** **S105596310**
SW **939 SOUTHBRIDGE ST** **Release** **N/A**
1/2-1 **WORCESTER, MA**
4589 ft.

Site 2 of 6 in cluster AI

Relative:
Higher

Actual:
473 ft.

MA ELECTRIC CO (Continued) **S105596310**

SHWS:
Facility ID: 2-0014452
Site Status: Response Action Outcome
Source Type: TRANSFORM
Release Town: WORCESTER
Notification Date : 08/26/02
Category : TWO HR
Associated ID : -
Status Date : 10/25/02
Phase : Not reported
Oil Or Haz Material : Not reported
Response Action Outcome Class : A1
Action:
Date: 11/21/02
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 8959
Action:
Date: 10/25/02
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 08/26/02
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Action:
Date: 08/26/02
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 120, gallons
Location Type: INDUSTRIAL
Source Type: TRANSFORM

MA RELEASE:
Facility ID: 2-0014452
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 10/25/02
Phase: Not reported
Notification: 08/26/02
Category: TWO HR
Official City: WORCESTER
Action:

MA ELECTRIC CO (Continued) **S105596310**

Date: 11/21/02
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: 8959
Action:
Date: 10/25/02
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 08/26/02
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Action:
Date: 08/26/02
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 120, gallons
Location Type: INDUSTRIAL
Source Type: TRANSFORM
Response Action Outcome Class : A1
Oil / Haz Material Type : Not reported

AI150 **MASS ELECTRIC** **LUST** **S101043549**
SW **939 SOUTHBRIDGE ST.** **Release** **N/A**
1/2-1 **WORCESTER, MA 01600** **MA Spills**
4589 ft.

Site 3 of 6 in cluster AI

Relative: Higher

Actual: 473 ft.

LUST:
Facility ID: 2-0001094
Site Status: Response Action Outcome
Source Type: UST
Release Town: WORCESTER
Notification Date : 09/27/93
Category : NONE
Associated ID : -
Status Date : 02/20/96
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A2
Action:
Date: 02/20/96
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to

MASS ELECTRIC (Continued) **S101043549**

background.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 09/27/93
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: Not reported
Location Type: COMMERCIAL
Source Type: UST

Facility ID: 2-0010030
Site Status: Response Action Outcome
Source Type: UST
Release Town: WORCESTER
Notification Date : 10/01/93
Category : 72 HR
Associated ID : -
Status Date : 07/30/97
Phase : PHASE III
Oil Or Haz Material : Oil
Response Action Outcome Class : A2
Action:
Date: 07/30/97
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: 6135
Action:
Date: 10/01/93
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/30/97
Type: Phase II
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Action:
Date: 08/18/95
Type: Tier Classification
Status: Tier 2 Classification
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Action:

MASS ELECTRIC (Continued) **S101043549**

Date: 10/01/93
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: WASTE OIL
Amount: Not reported
Chemical Released:
Chemical: FUEL OIL #2
Amount: Not reported
Location Type: COMMERCIAL
Source Type: UST

MA RELEASE:
Facility ID: 2-0001094
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 02/20/96
Phase: Not reported
Notification: 09/27/93
Category: NONE
Official City: WORCESTER
Action:
Date: 02/20/96
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 09/27/93
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: Not reported
Location Type: COMMERCIAL
Source Type: UST
Response Action Outcome Class : A2
Oil / Haz Material Type : Oil

Facility ID: 2-0010030
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 07/30/97
Phase: PHASE III
Notification: 10/01/93
Category: 72 HR
Official City: WORCESTER
Action:
Date: 07/30/97
Type: Response Action Outcome

MASS ELECTRIC (Continued) **S101043549**

Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: 6135
Action:
Date: 10/01/93
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/30/97
Type: Phase II
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Action:
Date: 08/18/95
Type: Tier Classification
Status: Tier 2 Classification
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Action:
Date: 10/01/93
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: WASTE OIL
Amount: Not reported
Chemical Released:
Chemical: FUEL OIL #2
Amount: Not reported
Location Type: COMMERCIAL
Source Type: UST
Response Action Outcome Class : A2
Oil / Haz Material Type : Oil

MA Spills:

Facility ID:	2-1094	Spill ID:	C92-0385
Staff Lead:	DUNNE, B	Date Entered:	Not reported
Last Entered:	08/05/1992	First Response:	08/05/1992
Spill Date:	08/05/1992	Report Date:	08/05/1992
Spill Time:	01:45PM	Report Time:	02:54PM
Case Closed:	YES	Mat Type:	PETROLEUM
Virgin Waste:	VIRGIN	Contam Soil:	Not reported
Env Impact:	SOIL	Other Impact:	Not reported
Material:	#2 FUEL OIL	Other Material:	Not reported
CAS No:	Not reported	PCB Lev (ppm):	NONE
Qty Reported:	UNKNOWN ----------		
Qty Actual:	UNKNOWN ----------		
Source:	U.S.T.	Other Source:	Not reported

MASS ELECTRIC (Continued) **S101043549**

Incident:	LEAK	Other Incdnt:	Not reported
Cleanup Type:	---	Contractor:	NOT USED
Referral:	SA	LUST Elig:	NO
Notifier:	CHERYL YOUNG, MASS ELECTR		
Notif Tel:	Not reported		
Report Prep:	Not reported	Category:	Not reported
Days/Close:	0		

AI151 **MASSACHUSETTS ELECTRIC CO / NATIONAL GRID** **SHWS** **U003655525**
SW **939 SOUTHBRIDGE ST** **Release** **N/A**
1/2-1 **WORCESTER, MA 01610** **UST**
4589 ft.

Site 4 of 6 in cluster AI

Relative: Higher

Actual: 473 ft.

SHWS:
Facility ID: 2-0014861
Site Status: Response Action Outcome
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 08/01/03
Category : 120 DY
Associated ID : -
Status Date : 11/07/03
Phase : Not reported
Oil Or Haz Material : Oil and Hazardous Material
Response Action Outcome Class : A2
Action:
Date: 01/04/04
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 11/07/03
Type: Release Abatement Measure
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 08/01/03
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: BENZ[A]ANTHRACENE
Amount: 4.26, micrograms per kilogram
Location Type: Not reported
Source Type: Not reported

MASSACHUSETTS ELECTRIC CO / NATIONAL GRID (Continued) **U003655525**

MA RELEASE:
Facility ID: 2-0014861
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 11/07/03
Phase: Not reported
Notification: 08/01/03
Category: 120 DY
Official City: WORCESTER
Action:
Date: 01/04/04
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 11/07/03
Type: Release Abatement Measure
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 08/01/03
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: BENZ[A]ANTHRACENE
Amount: 4.26, micrograms per kilogram
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : A2
Oil / Haz Material Type : Oil and Hazardous Material

UST:
Facility ID: 18331
Tank ID: 1
Tank Status: Removed
Tank Useage: Not reported
Capacity: 8000
Owner: MASSACHUSETTS ELECTRIC COMPANY
Owner Address: 1101 TURNPIKE ST
NORTH ANDOVER, MA 02148
Serial Number: Not reported
Aboveground: No
Contents: Gasoline
Tank Material: Steel
Tank Contents: 1 Wall
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Description : Utilities
Fire Dept. ID : 27348

MASSACHUSETTS ELECTRIC CO / NATIONAL GRID (Continued) **U003655525**

Financial Responsibility : Commercial,

Facility ID:	18331
Tank ID:	2
Tank Status:	Removed
Tank Useage:	Not reported
Capacity:	4000
Owner:	MASSACHUSETTS ELECTRIC COMPANY
Owner Address:	1101 TURNPIKE ST NORTH ANDOVER, MA 02148
Serial Number:	Not reported
Aboveground:	No
Contents:	Diesel
Tank Material:	Steel
Tank Contents:	1 Wall
Tank Leak Detection:	Not reported
Pipe Leak Detection:	Not reported
Description :	Utilities
Fire Dept. ID :	27348
Financial Responsibility :	Commercial,

Facility ID:	18331
Tank ID:	3
Tank Status:	Removed
Tank Useage:	Not reported
Capacity:	500
Owner:	MASSACHUSETTS ELECTRIC COMPANY
Owner Address:	1101 TURNPIKE ST NORTH ANDOVER, MA 02148
Serial Number:	Not reported
Aboveground:	No
Contents:	Waste Oil
Tank Material:	Steel
Tank Contents:	1 Wall
Tank Leak Detection:	Not reported
Pipe Leak Detection:	Not reported
Description :	Utilities
Fire Dept. ID :	27348
Financial Responsibility :	Commercial,

MASSACHUSETTS ELECTRIC CO / NATIONAL GRID (Continued) **U003655525**

Facility ID: 18331
Tank ID: 4
Tank Status: Removed
Tank Useage: Not reported
Capacity: 500
Owner: MASSACHUSETTS ELECTRIC COMPANY
Owner Address: 1101 TURNPIKE ST
NORTH ANDOVER, MA 02148
Serial Number: Not reported
Aboveground: No
Contents: Other
Tank Material: Steel
Tank Contents: 1 Wall
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Description : Utilities
Fire Dept. ID : 27348
Financial Responsibility : Commercial,

Facility ID: 18331
Tank ID: 5
Tank Status: Removed
Tank Useage: Other
Capacity: 6700
Owner: MASSACHUSETTS ELECTRIC COMPANY
Owner Address: 1101 TURNPIKE ST
NORTH ANDOVER, MA 02148
Serial Number: Not reported
Aboveground: No
Contents: Fuel Oil
Tank Material: Steel
Tank Contents: 1 Wall
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Description : Utilities
Fire Dept. ID : 27348
Financial Responsibility : Commercial,

Facility ID: 18331
Tank ID: 6
Tank Status: Removed
Tank Useage: Not reported
Capacity: 6700
Owner: MASSACHUSETTS ELECTRIC COMPANY
Owner Address: 1101 TURNPIKE ST
NORTH ANDOVER, MA 02148
Serial Number: Not reported
Aboveground: No
Contents: Fuel Oil
Tank Material: Not reported
Tank Contents: Not reported
Tank Leak Detection: Not reported
Pipe Leak Detection: Not reported
Description : Utilities
Fire Dept. ID : 27348
Financial Responsibility : Commercial,

MASSACHUSETTS ELECTRIC CO / NATIONAL GRID (Continued) **U003655525**

Facility ID:	18331
Tank ID:	7
Tank Status:	Removed
Tank Useage:	MV
Capacity:	15000
Owner:	MASSACHUSETTS ELECTRIC COMPANY
Owner Address:	1101 TURNPIKE ST
	NORTH ANDOVER, MA 02148
Serial Number:	Not reported
Aboveground:	No
Contents:	Gasoline
Tank Material:	Reinforced
Tank Contents:	2 Walls
Tank Leak Detection:	Interstitial Monitoring
Pipe Leak Detection:	Interstitial Space Monitor
Description :	Utilities
Fire Dept. ID :	27348
Financial Responsibility :	Commercial,

Facility ID:	18331
Tank ID:	8
Tank Status:	Removed
Tank Useage:	MV
Capacity:	12000
Owner:	MASSACHUSETTS ELECTRIC COMPANY
Owner Address:	1101 TURNPIKE ST
	NORTH ANDOVER, MA 02148
Serial Number:	Not reported
Aboveground:	No
Contents:	Diesel
Tank Material:	Reinforced
Tank Contents:	2 Walls
Tank Leak Detection:	Interstitial Monitoring
Pipe Leak Detection:	Interstitial Space Monitor
Description :	Utilities
Fire Dept. ID :	27348
Financial Responsibility :	Commercial,

Facility ID:	18331
Tank ID:	9
Tank Status:	In Use
Tank Useage:	Other
Capacity:	10000
Owner:	MASSACHUSETTS ELECTRIC COMPANY
Owner Address:	1101 TURNPIKE ST
	NORTH ANDOVER, MA 02148
Serial Number:	Not reported
Aboveground:	No
Contents:	Fuel Oil
Tank Material:	Cathodic
Tank Contents:	2 Walls
Tank Leak Detection:	Interstitial Monitoring
Pipe Leak Detection:	Interstitial Space Monitor
Description :	Utilities
Fire Dept. ID :	27348
Financial Responsibility :	Commercial,

AI152
SW
1/2-1
4589 ft.

Relative:
Higher

Actual:
473 ft.

MA ELECTRIC
939 SOUTHBRIDGE ST
WORCESTER, MA

Site 5 of 6 in cluster AI

SHWS
Release

S103042964
N/A

SHWS:
Facility ID: 2-0012123
Site Status: REMOPS
Source Type: CYLINDER
Release Town: WORCESTER
Notification Date : 02/25/98
Category : TWO HR
Associated ID : 2-0012123
Status Date : 09/02/04
Phase : PHASE V
Oil Or Haz Material : Oil
Response Action Outcome Class : Not reported
Action:
Date: 02/28/01
Type: Phase II
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Action:
Date: 02/25/98
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/03/99
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Action:
Date: 03/03/99
Type: Tier Classification
Status: LNKVTC
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Action:
Date: 03/04/04
Type: Phase IV
Status: Modified, Revised, or Updated Plan Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Action:
Date: 12/02/05
Type: Phase V
Status: Level II - Audit Inspection
Response Action Outcome:
Activity Use Limitaion:

MA ELECTRIC (Continued) **S103042964**

LSP Number: 9999
Action:
Date: 05/01/02
Type: Phase III
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Action:
Date: 08/09/02
Type: Immediate Response
Status: Level II - Audit Inspection
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Action:
Date: 04/24/98
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: 80, gallons
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: 10, gallons
Location Type: COMMERCIAL
Source Type: CYLINDER
HYDRAULIC
SEAL

Facility ID: 2-0012123
Site Status: REMOPS
Source Type: HYDRAULIC
Release Town: WORCESTER
Notification Date : 02/25/98
Category : TWO HR
Associated ID : 2-0012123
Status Date : 09/02/04
Phase : PHASE V
Oil Or Haz Material : Oil
Response Action Outcome Class : Not reported
Action:
Date: 02/28/01
Type: Phase II
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Action:
Date: 02/25/98
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:

MA ELECTRIC (Continued) **S103042964**

LSP Number: Not reported
Action:
Date: 03/03/99
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Action:
Date: 03/03/99
Type: Tier Classification
Status: LNKVTC
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Action:
Date: 03/04/04
Type: Phase IV
Status: Modified, Revised, or Updated Plan Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Action:
Date: 12/02/05
Type: Phase V
Status: Level II - Audit Inspection
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9999
Action:
Date: 05/01/02
Type: Phase III
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Action:
Date: 08/09/02
Type: Immediate Response
Status: Level II - Audit Inspection
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Action:
Date: 04/24/98
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: 80, gallons
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: 10, gallons
Location Type: COMMERCIAL

MA ELECTRIC (Continued) **S103042964**

Source Type: CYLINDER
HYDRAULIC
SEAL

Facility ID: 2-0012123
Site Status: REMOPS
Source Type: SEAL
Release Town: WORCESTER
Notification Date : 02/25/98
Category : TWO HR
Associated ID : 2-0012123
Status Date : 09/02/04
Phase : PHASE V
Oil Or Haz Material : Oil
Response Action Outcome Class : Not reported
Action:
Date: 02/28/01
Type: Phase II
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Action:
Date: 02/25/98
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/03/99
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Action:
Date: 03/03/99
Type: Tier Classification
Status: LNKVTC
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Action:
Date: 03/04/04
Type: Phase IV
Status: Modified, Revised, or Updated Plan Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Action:
Date: 12/02/05
Type: Phase V
Status: Level II - Audit Inspection
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9999

MA ELECTRIC (Continued) **S103042964**

Action:
Date: 05/01/02
Type: Phase III
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Action:
Date: 08/09/02
Type: Immediate Response
Status: Level II - Audit Inspection
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Action:
Date: 04/24/98
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: 80, gallons
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: 10, gallons
Location Type: COMMERCIAL
Source Type: CYLINDER
HYDRAULIC
SEAL

MA RELEASE:
Facility ID: 2-0012123
Primary ID: 2-0012123
Facility Status: REMOPS
Status Date: 09/02/04
Phase: PHASE V
Notification: 02/25/98
Category: TWO HR
Official City: WORCESTER
Action:
Date: 02/28/01
Type: Phase II
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Action:
Date: 02/25/98
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/03/99
Type: Phase I

MA ELECTRIC (Continued) **S103042964**

Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Action:
Date: 03/03/99
Type: Tier Classification
Status: LNKVTC
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Action:
Date: 03/04/04
Type: Phase IV
Status: Modified, Revised, or Updated Plan Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Action:
Date: 12/02/05
Type: Phase V
Status: Level II - Audit Inspection
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9999
Action:
Date: 05/01/02
Type: Phase III
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Action:
Date: 08/09/02
Type: Immediate Response
Status: Level II - Audit Inspection
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Action:
Date: 04/24/98
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: 80, gallons
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: 10, gallons
Location Type: COMMERCIAL
Source Type: CYLINDER
HYDRAULIC
SEAL
Response Action Outcome Class : Not reported

MA ELECTRIC (Continued) **S103042964**

Oil / Haz Material Type : Oil

AI153 **WORCESTER MAINTENANCE GARAGE** **SHWS** **S106030261**
SW **939 SOUTHBRIDGE ST** **Release** **N/A**
1/2-1 **WORCESTER, MA 01610**
4589 ft.

Site 6 of 6 in cluster AI

Relative:
Higher

Actual:
473 ft.

SHWS:
Facility ID: 2-0014880
Site Status: TIERII
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 08/18/03
Category : 120 DY
Associated ID : -
Status Date : 08/25/04
Phase : PHASE II
Oil Or Haz Material : Oil
Response Action Outcome Class : Not reported
Action:
Date: 08/25/04
Type: Phase II
Status: Scope of Work Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Action:
Date: 08/18/03
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 09/14/04
Type: Phase I
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Action:
Date: 03/08/04
Type: Release Abatement Measure
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Action:
Date: 09/14/04
Type: Tier Classification
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: 31, gallons
Location Type: Not reported

WORCESTER MAINTENANCE GARAGE (Continued) **S106030261**

Source Type: Not reported

MA RELEASE:
Facility ID: 2-0014880
Primary ID: -
Facility Status: TIERII
Status Date: 08/25/04
Phase: PHASE II
Notification: 08/18/03
Category: 120 DY
Official City: WORCESTER
Action:
Date: 08/25/04
Type: Phase II
Status: Scope of Work Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Action:
Date: 08/18/03
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 09/14/04
Type: Phase I
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Action:
Date: 03/08/04
Type: Release Abatement Measure
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Action:
Date: 09/14/04
Type: Tier Classification
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: 31, gallons
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Oil

154
NNW
1/2-1
4640 ft.

SUNOCO STATION
779 MAIN ST
WORCESTER, MA 01600

LUST
Release

S100537512
N/A

Relative:
Higher

Actual:
511 ft.

LUST:
Facility ID: 2-0001008
Site Status: Response Action Outcome
Source Type: UST
Release Town: WORCESTER
Notification Date : 07/15/93
Category : NONE
Associated ID : -
Status Date : 11/09/93
Phase : Not reported
Oil Or Haz Material : Not reported
Response Action Outcome Class : A2
Action:
Date: 02/11/05
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 07/15/93
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: Not reported
Location Type: GASSTATION
Source Type: UST

MA RELEASE:
Facility ID: 2-0001008
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 11/09/93
Phase: Not reported
Notification: 07/15/93
Category: NONE
Official City: WORCESTER
Action:
Date: 02/11/05
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 07/15/93
Type: Release
Status: TCTRNS
Response Action Outcome:

SUNOCO STATION (Continued) **S100537512**

Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: Not reported
Location Type: GASSTATION
Source Type: UST
Response Action Outcome Class : A2
Oil / Haz Material Type : Not reported

AJ155 **GETTY GAS STATION** **LUST** **S102084190**
SE **45 BALLARD ST** **Release** **N/A**
1/2-1 **WORCESTER, MA**
4678 ft.

Site 1 of 2 in cluster AJ

Relative:
Higher

Actual:
454 ft.

LUST:
Facility ID: 2-0010399
Site Status: **Response Action Outcome Not Required**
Source Type: UST
Release Town: WORCESTER
Notification Date : 07/28/94
Category : 72 HR
Associated ID : 2-0000861
Status Date : 03/13/01
Phase : PHASE II
Oil Or Haz Material : Oil
Response Action Outcome Class : Not reported
Action:
Date: 03/22/96
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 2955
Action:
Date: 07/28/94
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/22/96
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/12/01
Type: Tier Classification
Status: Tier 1C Classification
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/13/01
Type: Response Action Outcome Not Required

GETTY GAS STATION (Continued) **S102084190**

Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/30/99
Type: Tier Classification
Status: Statement or Transmittal Retracted
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 2955
Action:
Date: 03/22/96
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 2955
Action:
Date: 10/08/03
Type: Release Abatement Measure
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: GASOLINE
Amount: 150, parts per million
Location Type: COMMERCIAL
Source Type: UST

MA RELEASE:
Facility ID: 2-0010399
Primary ID: 2-0000861
Facility Status: Response Action Outcome Not Required
Status Date: 03/13/01
Phase: PHASE II
Notification: 07/28/94
Category: 72 HR
Official City: WORCESTER
Action:
Date: 03/22/96
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 2955
Action:
Date: 07/28/94
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/22/96
Type: RNF
Status: REPORT

GETTY GAS STATION (Continued) **S102084190**

Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/12/01
Type: Tier Classification
Status: Tier 1C Classification
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/13/01
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/30/99
Type: Tier Classification
Status: Statement or Transmittal Retracted
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 2955
Action:
Date: 03/22/96
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 2955
Action:
Date: 10/08/03
Type: Release Abatement Measure
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: GASOLINE
Amount: 150, parts per million
Location Type: COMMERCIAL
Source Type: UST
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Oil

AJ156 **CITGO GAS STA** **SHWS** **S100830753**
SE **45 BALLARD ST** **Release** **N/A**
1/2-1 **WORCESTER, MA**
4678 ft.

Site 2 of 2 in cluster AJ

Relative:
Higher

Actual:
454 ft.

CITGO GAS STA (Continued) **S100830753**

SHWS:
Facility ID: 2-0000983
Site Status: Response Action Outcome Not Required
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 07/15/93
Category : NONE
Associated ID : -
Status Date : 03/13/01
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : Not reported
Action:
Date: 04/30/99
Type: Tier Classification
Status: Statement or Transmittal Retracted
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/13/01
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/12/01
Type: Tier Classification
Status: Tier 1C Classification
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/08/03
Type: Release Abatement Measure
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/15/93
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: GASOLINE
Amount: Not reported
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: Not reported
Location Type: Not reported
Source Type: Not reported

CITGO GAS STA (Continued) **S100830753**

MA RELEASE:
Facility ID: 2-0000983
Primary ID: -
Facility Status: Response Action Outcome Not Required
Status Date: 03/13/01
Phase: Not reported
Notification: 07/15/93
Category: NONE
Official City: WORCESTER
Action:
Date: 04/30/99
Type: Tier Classification
Status: Statement or Transmittal Retracted
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/13/01
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/12/01
Type: Tier Classification
Status: Tier 1C Classification
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/08/03
Type: Release Abatement Measure
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 07/15/93
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: GASOLINE
Amount: Not reported
Chemical Released:
Chemical: PETROLEUM BASED OIL
Amount: Not reported
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Oil

157 NE 1/2-1 4706 ft.

MAHONEY PROPERTY
66 PROVIDENCE ST
WORCESTER, MA 01604

Release LAST

S104482175 N/A

Relative: Higher

Actual: 593 ft.

LAST:
Facility ID: 2-0013040
Site Status: Response Action Outcome
Source Type: AST
Release Town: WORCESTER
Notification Date : 11/19/99
Category : TWO HR
Associated ID : -
Status Date : 01/26/00
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A2
Action:
Date: 03/23/00
Type: Response Action Outcome
Status: Action Audited
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: 1217
Action:
Date: 11/19/99
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1217
Action:
Date: 01/03/00
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/23/00
Type: Immediate Response
Status: Action Audited
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: FUEL OIL #2
Amount: 250, gallons
Location Type: RESIDNTIAL
Source Type: AST

MA RELEASE:
Facility ID: 2-0013040
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 01/26/00
Phase: Not reported
Notification: 11/19/99
Category: TWO HR

MAHONEY PROPERTY (Continued) **S104482175**

Official City: WORCESTER
Action:
Date: 03/23/00
Type: Response Action Outcome
Status: Action Audited
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: 1217
Action:
Date: 11/19/99
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 1217
Action:
Date: 01/03/00
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/23/00
Type: Immediate Response
Status: Action Audited
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: FUEL OIL #2
Amount: 250, gallons
Location Type: RESIDNTIAL
Source Type: AST
Response Action Outcome Class : A2
Oil / Haz Material Type : Oil

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158 West 1/2-1 4857 ft.

INTERSECTION OF FREEMONT ST
190 CAMBRIDGE ST
WORCESTER, MA

SHWS Release **S105199148 N/A**

Relative: Higher

Actual: 490 ft.

SHWS:
Facility ID: 2-0014093
Site Status: Response Action Outcome
Source Type: DRUMS
Release Town: WORCESTER
Notification Date : 11/22/01
Category : TWO HR
Associated ID : -
Status Date : 12/22/01
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A1
Action:
Date: 12/22/01
Type: Response Action Outcome
Status: RAO Statement Received

INTERSECTION OF FREEMONT ST (Continued) **S105199148**

Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 12/21/01
Type: Response Action Outcome DEP Lead
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 11/22/01
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/22/01
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: FUEL OIL #6
Amount: 30, gallons
Location Type: ROADWAY
Source Type: DRUMS

MA RELEASE:
Facility ID: 2-0014093
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 12/22/01
Phase: Not reported
Notification: 11/22/01
Category: TWO HR
Official City: WORCESTER
Action:
Date: 12/22/01
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 12/21/01
Type: Response Action Outcome DEP Lead
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has been reduced to background or a threat of release has been eliminated.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:

INTERSECTION OF FREEMONT ST (Continued) **S105199148**

Date: 11/22/01
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/22/01
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: FUEL OIL #6
Amount: 30, gallons
Location Type: ROADWAY
Source Type: DRUMS
Response Action Outcome Class : A1
Oil / Haz Material Type : Oil

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159 **MORGAN LINEN** **SHWS** **S100830770**
SSE **851 MILLBURY ST** **Release** **N/A**
1/2-1 **WORCESTER, MA 01600**
4905 ft.

Relative:
Lower

Actual:
447 ft.

SHWS:
Facility ID: 2-0000537
Site Status: **LSP Opinion, No Further Action**
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 04/15/89
Category : NONE
Associated ID : -
Status Date : 06/19/96
Phase : Not reported
Oil Or Haz Material : Not reported
Response Action Outcome Class : Not reported
Action:
Date: 04/15/89
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: Not reported
Location Type: Not reported
Source Type: Not reported

MA RELEASE:
Facility ID: 2-0000537
Primary ID: -
Facility Status: **LSP Opinion, No Further Action**
Status Date: 06/19/96
Phase: Not reported
Notification: 04/15/89
Category: NONE

MORGAN LINEN (Continued) **S100830770**

Official City: WORCESTER
Action:
Date: 04/15/89
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: Not reported
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Not reported

AK160 **BALLARD ST SUNOCO** **SHWS** **S103811336**
SE **51 BALLARD ST** **Release** **N/A**
1/2-1 **WORCESTER, MA**
4944 ft.

Site 1 of 2 in cluster AK

Relative: Higher

Actual: 453 ft.

SHWS:
Facility ID: 2-0012681
Site Status: Response Action Outcome Not Required
Source Type: UNKNOWN
Release Town: WORCESTER
Notification Date : 03/01/99
Category : 72 HR
Associated ID : 2-0000861
Status Date : 03/13/01
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : Not reported
Action:
Date: 10/08/03
Type: Release Abatement Measure
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/13/01
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9282
Action:
Date: 04/30/99
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/01/99
Type: Release
Status: REPORT

BALLARD ST SUNOCO (Continued) **S103811336**

Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9282
Action:
Date: 04/30/99
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9282
Action:
Date: 03/12/01
Type: Tier Classification
Status: Tier 1C Classification
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: GASOLINE
Amount: .5, inches
Location Type: Not reported
Source Type: UNKNOWN

MA RELEASE:
Facility ID: 2-0012681
Primary ID: 2-0000861
Facility Status: Response Action Outcome Not Required
Status Date: 03/13/01
Phase: Not reported
Notification: 03/01/99
Category: 72 HR
Official City: WORCESTER
Action:
Date: 10/08/03
Type: Release Abatement Measure
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/13/01
Type: Response Action Outcome Not Required
Status: Related to a Tier Classified Site
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9282
Action:
Date: 04/30/99
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 03/01/99
Type: Release
Status: REPORT
Response Action Outcome:

BALLARD ST SUNOCO (Continued) **S103811336**

Activity Use Limitaion:
LSP Number: 9282
Action:
Date: 04/30/99
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9282
Action:
Date: 03/12/01
Type: Tier Classification
Status: Tier 1C Classification
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: GASOLINE
Amount: .5, inches
Location Type: Not reported
Source Type: UNKNOWN
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Oil

AK161 **GAS N GO FMR** **LUST** **S100044077**
SE **51 BALLARD ST** **Release** **N/A**
1/2-1 **WORCESTER, MA**
4944 ft.

Site 2 of 2 in cluster AK

Relative:
Higher

Actual:
453 ft.

LUST:
Facility ID: 2-0000861
Site Status: **Response Action Outcome**
Source Type: UST
Release Town: WORCESTER
Notification Date : 01/15/92
Category : NONE
Associated ID : -
Status Date : 05/31/05
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : C
Action:
Date: 06/14/05
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A temporary solution, which ensures the elimination of any substantialhazard, has been achieved at the disposal site.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 04/30/99
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/15/92

GAS N GO FMR (Continued) **S100044077**

Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/08/03
Type: Release Abatement Measure
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9282
Action:
Date: 09/29/03
Type: Phase III
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9282
Action:
Date: 04/30/99
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/20/03
Type: Phase II
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9282
Action:
Date: 05/31/05
Type: Phase V
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 05/31/05
Type: Phase IV
Status: Revised Statement or Transmittal Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9282
Action:
Date: 03/12/01
Type: Tier Classification
Status: Tier 1C Classification
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: GASOLINE
Amount: Not reported

GAS N GO FMR (Continued) **S100044077**

Location Type: GASSTATION
Source Type: UST

MA RELEASE:
Facility ID: 2-0000861
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 05/31/05
Phase: Not reported
Notification: 01/15/92
Category: NONE
Official City: WORCESTER
Action:
Date: 06/14/05
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A temporary solution, which ensures the elimination of any substantialhazard, has been achieved at the disposal site.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 04/30/99
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 01/15/92
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 10/08/03
Type: Release Abatement Measure
Status: Level I - Technical Screen Audit
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9282
Action:
Date: 09/29/03
Type: Phase III
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9282
Action:
Date: 04/30/99
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/20/03
Type: Phase II

GAS N GO FMR (Continued) **S100044077**

Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9282
Action:
Date: 05/31/05
Type: Phase V
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 05/31/05
Type: Phase IV
Status: Revised Statement or Transmittal Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 9282
Action:
Date: 03/12/01
Type: Tier Classification
Status: Tier 1C Classification
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: GASOLINE
Amount: Not reported
Location Type: GASSTATION
Source Type: UST
Response Action Outcome Class : C
Oil / Haz Material Type : Oil

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162 **SUNOCO STATION** **LUST** **S100537514**
SW **950 SOUTHBRIDGE ST** **Release** **N/A**
1/2-1 **WORCESTER, MA 01600**
4966 ft.

Relative:
Higher

Actual:
475 ft.

LUST:
Facility ID: 2-0001025
Site Status: Response Action Outcome
Source Type: UST
Release Town: WORCESTER
Notification Date : 07/15/93
Category : NONE
Associated ID : -
Status Date : 05/12/97
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : B1
Action:
Date: 05/12/97
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:

SUNOCO STATION (Continued) **S100537514**

Date: 07/15/93
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: WASTE OIL
Amount: Not reported
Location Type: GASSTATION
Source Type: UST

MA RELEASE:
Facility ID: 2-0001025
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 05/12/97
Phase: Not reported
Notification: 07/15/93
Category: NONE
Official City: WORCESTER
Action:
Date: 05/12/97
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 07/15/93
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: WASTE OIL
Amount: Not reported
Location Type: GASSTATION
Source Type: UST
Response Action Outcome Class : B1
Oil / Haz Material Type : Oil

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163 **MAILLOUX RESIDENCE** **LUST** **S106030467**
NW **106 WOODLAND ST** **Release** **N/A**
1/2-1 **WORCESTER, MA 01610**
5171 ft.

Relative: Higher

Actual: 550 ft.

LUST:
Facility ID: 2-0014901
Site Status: Response Action Outcome
Source Type: UST
Release Town: WORCESTER
Notification Date : 09/05/03
Category : 72 HR
Associated ID : -
Status Date : 01/12/04
Phase : Not reported

MAILLOUX RESIDENCE (Continued) **S106030467**

Oil Or Haz Material : Oil
Response Action Outcome Class : A2
Action:
Date: 01/26/04
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: 3722
Action:
Date: 11/03/03
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 3722
Action:
Date: 09/05/03
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 3722
Action:
Date: 01/12/04
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 3722
Chemical Released:
Chemical: FUEL OIL #2
Amount: 231, parts per million
Location Type: RESIDNTIAL
Source Type: UST

MA RELEASE:
Facility ID: 2-0014901
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 01/12/04
Phase: Not reported
Notification: 09/05/03
Category: 72 HR
Official City: WORCESTER
Action:
Date: 01/26/04
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: 3722
Action:
Date: 11/03/03
Type: RNF
Status: REPORT

MAILLOUX RESIDENCE (Continued) **S106030467**

Response Action Outcome:
Activity Use Limitaion:
LSP Number: 3722
Action:
Date: 09/05/03
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 3722
Action:
Date: 01/12/04
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 3722
Chemical Released:
Chemical: FUEL OIL #2
Amount: 231, parts per million
Location Type: RESIDNTIAL
Source Type: UST
Response Action Outcome Class : A2
Oil / Haz Material Type : Oil

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164 **HARDING ST REALTY CORP** **LUST** **S102088840**
NNE **38 40 POND ST** **Release** **N/A**
1/2-1 **WORCESTER, MA 01600**
5195 ft.

Relative:
Higher

Actual:
460 ft.

LUST:
Facility ID: 2-0000513
Site Status: TIERII
Source Type: UST
Release Town: WORCESTER
Notification Date : 04/15/89
Category : NONE
Associated ID : -
Status Date : 09/12/97
Phase : PHASE II
Oil Or Haz Material : Oil
Response Action Outcome Class : Not reported
Action:
Date: 04/15/89
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 09/12/97
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 09/12/97
Type: Tier Classification

HARDING ST REALTY CORP (Continued) **S102088840**

Status: Tier 2 Classification
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - OIL
Amount: Not reported
Location Type: FORMER
GASSTATION
MANUFACT
Source Type: UST

MA RELEASE:
Facility ID: 2-0000513
Primary ID: -
Facility Status: TIERII
Status Date: 09/12/97
Phase: PHASE II
Notification: 04/15/89
Category: NONE
Official City: WORCESTER
Action:
Date: 04/15/89
Type: Release
Status: TCTRNS
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 09/12/97
Type: Phase I
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 09/12/97
Type: Tier Classification
Status: Tier 2 Classification
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - OIL
Amount: Not reported
Location Type: FORMER
GASSTATION
MANUFACT
Source Type: UST
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Oil

165
ENE
1/2-1
5224 ft.

DUMPING
114-116 DORCHESTER ST
WORCESTER, MA

SHWS
Release

S106863266
N/A

Relative:
Higher

Actual:
565 ft.

SHWS:
Facility ID: 2-0015439
Site Status: TIER1D
Source Type: DRUMS
Release Town: WORCESTER
Notification Date : 10/14/04
Category : TWO HR
Associated ID : -
Status Date : 10/21/05
Phase : Not reported
Oil Or Haz Material : Not reported
Response Action Outcome Class : Not reported
Action:
Date: 10/14/04
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 55, gallons
Location Type: RIGHTOFWAY
Source Type: DRUMS

MA RELEASE:
Facility ID: 2-0015439
Primary ID: -
Facility Status: TIER1D
Status Date: 10/21/05
Phase: Not reported
Notification: 10/14/04
Category: TWO HR
Official City: WORCESTER
Action:
Date: 10/14/04
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF UNKNOWN TYPE
Amount: 55, gallons
Location Type: RIGHTOFWAY
Source Type: DRUMS
Response Action Outcome Class : Not reported
Oil / Haz Material Type : Not reported

166
NNE
1/2-1
5272 ft.

UTILITY POLE 12-1
65 WATER ST
WORCESTER, MA 01610

SHWS
Release

S104847308
N/A

Relative:
Higher

Actual:
465 ft.

SHWS:
Facility ID: 2-0013230
Site Status: Response Action Outcome
Source Type: TRANSFORM
Release Town: WORCESTER
Notification Date : 04/09/00
Category : TWO HR
Associated ID : -
Status Date : 06/14/00
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A2
Action:
Date: 06/14/00
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: 6135
Action:
Date: 04/09/00
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/06/00
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/09/00
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - OIL
Amount: 58, gallons
Location Type: COMMERCIAL
Source Type: TRANSFORM

MA RELEASE:
Facility ID: 2-0013230
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 06/14/00
Phase: Not reported
Notification: 04/09/00
Category: TWO HR

UTILITY POLE 12-1 (Continued) **S104847308**

Official City: WORCESTER
Action:
Date: 06/14/00
Type: Response Action Outcome
Status: RAO Statement Received
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: 6135
Action:
Date: 04/09/00
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 06/06/00
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 04/09/00
Type: Immediate Response
Status: Oral Approval of Plan
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 6135
Chemical Released:
Chemical: UNKNOWN CHEMICAL OF TYPE - OIL
Amount: 58, gallons
Location Type: COMMERCIAL
Source Type: TRANSFORM
Response Action Outcome Class : A2
Oil / Haz Material Type : Oil

---

167 **NEIL SCANNELL** **SHWS** **S106510355**
NNE **69 GREEN ST** **Release** **N/A**
1/2-1 **WORCESTER, MA 01604**
5274 ft.

Relative:
Higher

Actual:
469 ft.

SHWS:
Facility ID: 2-0015302
Site Status: Response Action Outcome
Source Type: Not reported
Release Town: WORCESTER
Notification Date : 06/21/04
Category : 120 DY
Associated ID : -
Status Date : 12/22/04
Phase : Not reported
Oil Or Haz Material : Oil and Hazardous Material
Response Action Outcome Class : B1
Action:
Date: 12/29/04
Type: Response Action Outcome
Status: Level I - Technical Screen Audit

NEIL SCANNELL (Continued) **S106510355**

Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 06/21/04
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: NAPHTHALENE
Amount: 33, micrograms per kilogram
Location Type: Not reported
Source Type: Not reported

MA RELEASE:
Facility ID: 2-0015302
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 12/22/04
Phase: Not reported
Notification: 06/21/04
Category: 120 DY
Official City: WORCESTER
Action:
Date: 12/29/04
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: Remedial actions have not been conducted because a level of No Significant Risk exists.
Activity Use Limitaion: NONE
LSP Number: Not reported
Action:
Date: 06/21/04
Type: RNF
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Chemical Released:
Chemical: NAPHTHALENE
Amount: 33, micrograms per kilogram
Location Type: Not reported
Source Type: Not reported
Response Action Outcome Class : B1
Oil / Haz Material Type : Oil and Hazardous Material

---

168 North 1/2-1 5277 ft. **MART BLDG** **LUST** **S104774059**
662 MAIN ST **Release** **N/A**
WORCESTER, MA

Relative: Higher

Actual: 482 ft.

LUST:
Facility ID: 2-0013409
Site Status: Response Action Outcome
Source Type: UST
Release Town: WORCESTER

MART BLDG (Continued) **S104774059**

Notification Date : 08/03/00
Category : 72 HR
Associated ID : -
Status Date : 11/22/00
Phase : Not reported
Oil Or Haz Material : Oil
Response Action Outcome Class : A2
Action:
Date: 02/04/05
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: 4075
Action:
Date: 08/03/00
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:
LSP Number: Not reported
Action:
Date: 11/03/00
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4075
Chemical Released:
Chemical: FUEL OIL #2
Amount: 292, parts per million
Location Type: COMMERCIAL
Source Type: UST

MA RELEASE:
Facility ID: 2-0013409
Primary ID: -
Facility Status: Response Action Outcome
Status Date: 11/22/00
Phase: Not reported
Notification: 08/03/00
Category: 72 HR
Official City: WORCESTER
Action:
Date: 02/04/05
Type: Response Action Outcome
Status: Level I - Technical Screen Audit
Response Action Outcome: A permanent solution has been achieved. Contamination has not been reduced to background.
Activity Use Limitaion: NONE
LSP Number: 4075
Action:
Date: 08/03/00
Type: Release
Status: REPORT
Response Action Outcome:
Activity Use Limitaion:

MART BLDG (Continued) **S104774059**

LSP Number: Not reported
Action:
Date: 11/03/00
Type: Immediate Response
Status: Completion Statement Received
Response Action Outcome:
Activity Use Limitaion:
LSP Number: 4075
Chemical Released:
Chemical: FUEL OIL #2
Amount: 292, parts per million
Location Type: COMMERCIAL
Source Type: UST
Response Action Outcome Class : A2
Oil / Haz Material Type : Oil

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
WORCESTER	S106953897	INTERSECTION OF ONTARIO ST. AN	11 TO 125 ONTARIO ST		SHWS, Release
WORCESTER	S104179735	NEAR 80 BALLARD ST	RTE 146		SHWS, Release
WORCESTER	S102687184	JUST SOUTH OF GREENDALE MALL	RTE 190N		SHWS, Release
WORCESTER	S105596327	SHAWS SUPERMARKET INC	RTE 290 E	01608	SHWS, Release
WORCESTER	S105199087	ROADWAY RELEASE	RTE 290 WESTBOUND EXIT 13	01604	SHWS, Release
WORCESTER	S104000309	MM 9.5	RTE 290 EASTBOUND		SHWS, Release
WORCESTER	S104941762	WORCESTER ACADEMY	ATNA ST	01604	SHWS, Release
WORCESTER	S105596257	OLD WORCESTER ROLLED STEEL	100 250 BARBER AVE		SHWS, Release
WORCESTER	S104482155	PIONEER OIL ROADWAY RELEASE	2 BELLE VISTA RD		SHWS, Release
WORCESTER	S103545439	MANHOLES EAST OF CURES FURNITU	BRIDGE ST	01604	SHWS, Release
WORCESTER	S104000323	SCRAP YARD FMR	7 9 CANTERBURY ST	01610	SHWS, Release
WORCESTER	1000267257	ZACK TANK & CHASSIS	CLAPP STREET CT	01610	RCRA-SQG, FINDS
WORCESTER	U000226055	CLAPP ST ASSOCIATES	CLAPP ST & D ST	01610	UST
WORCESTER	S103811247	POLE 1	CORRINE ST		SHWS, Release
WORCESTER	S104544907	INT WITH MASSASOIT RD	SOUTHWEST CUTOFF		SHWS, Release
WORCESTER	S101016150		GREENWOOD ST	01607	SHWS, Release, ENF, MA Spills
WORCESTER	S106029906	HAMILTON ST POLE #62	464 HAMILTON ST (IN FRNT OF)	01604	SHWS, Release
WORCESTER	S103811232	RAMP OF ROUTE 290	INTERSECTION OF RTES 290 190		SHWS, Release
WORCESTER	S105309265	JONUS CLARK BLD	950 MAIN ST	01610	SHWS, LUST, Release
WORCESTER	S101016829	N OF RTE 20	MASSASOIT RD		SHWS, Release, MA Spills
WORCESTER	S106029908	HURD RESIDENCE	490 MASSWASOIT RD	01604	SHWS, Release, LAST
WORCESTER	S106508768	PETERSON OIL CO	450 496 MILLBURY ST	01610	LUST, Release, LAST
WORCESTER	S101016306	GLOBAL PRODUCTS	20 MOHAWK DR.	01603	SHWS, Release, MA Spills
WORCESTER	S107516764	ESTES EXPRESS ROADWAY RELEASE	640 PLANTATION STREET @ BOWDIT		SHWS
WORCESTER	S103383187	CORNER OF S HILL ST	111 SHREWSBURY 17 EAST WORCEST		SHWS, Release
WORCESTER	S105735526	HANDY PAD SUPPLY INC	67 91 STAFFORD ST	01603	SHWS, Release, INST CONTROL
WORCESTER	S104562359	LOT 4A	SUTTON LN	01607	SHWS, Release
WORCESTER	S102084676	RTE 290 OVERPASS	UNION ST	01610	SHWS, Release
WORCESTER	S106132216	WASTE MGT ROADWAY RELEASE	349 WILDWOOD RD (IN FRNT OF)	01603	SHWS, Release
WORCESTER	S103811384	MED CITY	WORCESTER CENTER BLVD		SHWS, Release

EPA Waste Codes Addendum

Code	Description
D002	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
D004	ARSENIC
D007	CHROMIUM
D008	LEAD
D009	MERCURY
D039	TETRACHLOROETHYLENE
D040	TRICHLOROETHYLENE
D043	VINYL CHLORIDE

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

FEDERAL RECORDS

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 11/29/2005
Date Data Arrived at EDR: 01/31/2006
Date Made Active in Reports: 02/27/2006
Number of Days to Update: 27

Source: EPA
Telephone: N/A
Last EDR Contact: 03/01/2006
Next Scheduled EDR Contact: 05/01/2006
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 8
Telephone: 303-312-6774

EPA Region 4
Telephone 404-562-8033

Proposed NPL: Proposed National Priority List Sites

Date of Government Version: 11/29/2005
Date Data Arrived at EDR: 01/31/2006
Date Made Active in Reports: 02/27/2006
Number of Days to Update: 27

Source: EPA
Telephone: N/A
Last EDR Contact: 03/01/2006
Next Scheduled EDR Contact: 05/01/2006
Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 11/29/2005
Date Data Arrived at EDR: 01/31/2006
Date Made Active in Reports: 02/27/2006
Number of Days to Update: 27

Source: EPA
Telephone: N/A
Last EDR Contact: 03/01/2006
Next Scheduled EDR Contact: 05/01/2006
Data Release Frequency: Quarterly

NPL RECOVERY: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 03/06/2006
Next Scheduled EDR Contact: 05/22/2006
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/24/2005
Date Data Arrived at EDR: 12/21/2005
Date Made Active in Reports: 01/30/2006
Number of Days to Update: 40

Source: EPA
Telephone: 703-413-0223
Last EDR Contact: 03/21/2006
Next Scheduled EDR Contact: 06/19/2006
Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 10/24/2005
Date Data Arrived at EDR: 12/21/2005
Date Made Active in Reports: 01/30/2006
Number of Days to Update: 40

Source: EPA
Telephone: 703-413-0223
Last EDR Contact: 03/21/2006
Next Scheduled EDR Contact: 06/19/2006
Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/29/2005
Date Data Arrived at EDR: 01/11/2006
Date Made Active in Reports: 02/21/2006
Number of Days to Update: 41

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/06/2006
Next Scheduled EDR Contact: 06/05/2006
Data Release Frequency: Quarterly

RCRA: Resource Conservation and Recovery Act Information

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/15/2005
Date Data Arrived at EDR: 12/28/2005
Date Made Active in Reports: 01/30/2006
Number of Days to Update: 33

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/01/2006
Next Scheduled EDR Contact: 04/24/2006
Data Release Frequency: Quarterly

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 01/12/2006
Date Made Active in Reports: 02/21/2006
Number of Days to Update: 40

Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342
Last EDR Contact: 01/12/2006
Next Scheduled EDR Contact: 04/24/2006
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 01/16/2006
Date Made Active in Reports: 02/21/2006
Number of Days to Update: 36

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 01/16/2006
Next Scheduled EDR Contact: 04/17/2006
Data Release Frequency: Annually

US ENG CONTROLS: Engineering Controls Sites List
A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/02/2005
Date Data Arrived at EDR: 08/12/2005
Date Made Active in Reports: 10/06/2005
Number of Days to Update: 55

Source: Environmental Protection Agency
Telephone: 703-603-8867
Last EDR Contact: 03/03/2006
Next Scheduled EDR Contact: 07/03/2006
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls
A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 01/10/2005
Date Data Arrived at EDR: 02/11/2005
Date Made Active in Reports: 04/06/2005
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 703-603-8867
Last EDR Contact: 03/03/2006
Next Scheduled EDR Contact: 07/03/2006
Data Release Frequency: Varies

DOD: Department of Defense Sites
This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 02/08/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 177

Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 02/06/2006
Next Scheduled EDR Contact: 05/08/2006
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites
The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 01/19/2006
Date Made Active in Reports: 02/21/2006
Number of Days to Update: 33

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 01/19/2006
Next Scheduled EDR Contact: 04/03/2006
Data Release Frequency: Varies

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 11/29/2005
Date Data Arrived at EDR: 12/05/2005
Date Made Active in Reports: 01/30/2006
Number of Days to Update: 56

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/13/2006
Next Scheduled EDR Contact: 06/12/2006
Data Release Frequency: Semi-Annually

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/14/2004
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 04/25/2005
Number of Days to Update: 69

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/13/2006
Next Scheduled EDR Contact: 04/24/2006
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 12/07/2005
Date Data Arrived at EDR: 01/06/2006
Date Made Active in Reports: 02/21/2006
Number of Days to Update: 46

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 01/04/2006
Next Scheduled EDR Contact: 04/03/2006
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 11/04/2005
Date Data Arrived at EDR: 11/28/2005
Date Made Active in Reports: 01/30/2006
Number of Days to Update: 63

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 03/20/2006
Next Scheduled EDR Contact: 06/19/2006
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2003
Date Data Arrived at EDR: 07/13/2005
Date Made Active in Reports: 08/17/2005
Number of Days to Update: 35

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 03/21/2006
Next Scheduled EDR Contact: 06/19/2006
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002
Date Data Arrived at EDR: 04/27/2004
Date Made Active in Reports: 05/21/2004
Number of Days to Update: 24

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/06/2006
Next Scheduled EDR Contact: 04/17/2006
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 01/17/2006
Date Data Arrived at EDR: 01/24/2006
Date Made Active in Reports: 02/27/2006
Number of Days to Update: 34

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 03/20/2006
Next Scheduled EDR Contact: 06/19/2006
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Date of Government Version: 01/17/2006
Date Data Arrived at EDR: 01/24/2006
Date Made Active in Reports: 02/27/2006
Number of Days to Update: 34

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 03/20/2006
Next Scheduled EDR Contact: 06/19/2006
Data Release Frequency: Quarterly

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2003
Date Data Arrived at EDR: 01/03/2005
Date Made Active in Reports: 01/25/2005
Number of Days to Update: 22

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 03/06/2006
Next Scheduled EDR Contact: 04/17/2006
Data Release Frequency: Annually

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 12/27/2005
Date Data Arrived at EDR: 02/08/2006
Date Made Active in Reports: 02/27/2006
Number of Days to Update: 19

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 02/08/2006
Next Scheduled EDR Contact: 05/08/2006
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/18/2005
Date Data Arrived at EDR: 10/31/2005
Date Made Active in Reports: 12/20/2005
Number of Days to Update: 50

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 02/08/2006
Next Scheduled EDR Contact: 04/03/2006
Data Release Frequency: Quarterly

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 11/08/2005
Date Data Arrived at EDR: 12/27/2005
Date Made Active in Reports: 01/30/2006
Number of Days to Update: 34

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 12/27/2005
Next Scheduled EDR Contact: 03/27/2006
Data Release Frequency: Semi-Annually

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 01/09/2006
Date Data Arrived at EDR: 01/16/2006
Date Made Active in Reports: 02/21/2006
Number of Days to Update: 36

Source: EPA
Telephone: N/A
Last EDR Contact: 01/03/2006
Next Scheduled EDR Contact: 04/03/2006
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 03/06/2006
Next Scheduled EDR Contact: 06/05/2006
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2003
Date Data Arrived at EDR: 06/17/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 48

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 03/17/2006
Next Scheduled EDR Contact: 06/12/2006
Data Release Frequency: Biennially

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STATE AND LOCAL RECORDS

SHWS: Site Transition List
Contains information on releases of oil and hazardous materials that have been reported to DEP.

Date of Government Version: 01/10/2006
Date Data Arrived at EDR: 02/07/2006
Date Made Active in Reports: 02/22/2006
Number of Days to Update: 15

Source: Department of Environmental Protection
Telephone: 617-292-5990
Last EDR Contact: 02/07/2006
Next Scheduled EDR Contact: 05/08/2006
Data Release Frequency: Quarterly

SWF/LF: Solid Waste Facility Database/Transfer Stations
Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 01/02/2006
Date Data Arrived at EDR: 01/31/2006
Date Made Active in Reports: 02/22/2006
Number of Days to Update: 22

Source: Department of Environmental Protection
Telephone: 617-292-5989
Last EDR Contact: 01/31/2006
Next Scheduled EDR Contact: 05/01/2006
Data Release Frequency: Quarterly

LUST: Site Transition List
Sites within the Releases Database that have a UST listed as its source.

Date of Government Version: 01/10/2006
Date Data Arrived at EDR: 02/07/2006
Date Made Active in Reports: 02/22/2006
Number of Days to Update: 15

Source: Department of Environmental Protection
Telephone: 617-292-5990
Last EDR Contact: 02/07/2006
Next Scheduled EDR Contact: 05/08/2006
Data Release Frequency: Quarterly

UST: Summary Listing of all the Tanks Registered in the State of Massachusetts
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 02/10/2006
Date Data Arrived at EDR: 02/14/2006
Date Made Active in Reports: 03/09/2006
Number of Days to Update: 23

Source: Department of Fire Services, Office of the Public Safety
Telephone: 978-567-3715
Last EDR Contact: 02/14/2006
Next Scheduled EDR Contact: 05/15/2006
Data Release Frequency: Quarterly

LAST: Leaking Aboveground Storage Tank Sites
Sites within the Releases Database that have a AST listed as its source.

Date of Government Version: 01/10/2006
Date Data Arrived at EDR: 02/07/2006
Date Made Active in Reports: 02/22/2006
Number of Days to Update: 15

Source: Department of Environmental Protection
Telephone: 617-292-5500
Last EDR Contact: 02/07/2006
Next Scheduled EDR Contact: 05/08/2006
Data Release Frequency: Quarterly

AST: Aboveground Storage Tank Database
Registered Aboveground Storage Tanks.

Date of Government Version: 02/10/2006
Date Data Arrived at EDR: 02/14/2006
Date Made Active in Reports: 03/08/2006
Number of Days to Update: 22

Source: Department of Public Safety
Telephone: 978-567-3715
Last EDR Contact: 02/14/2006
Next Scheduled EDR Contact: 05/15/2006
Data Release Frequency: Quarterly

MA SPILLS: Historical Spill List

The Spills Database was the release notification tracking system for spills that occurred prior to October 1, 1993. This information should be considered to be primarily of historical interest since all of the listed spills have either been cleaned up or assigned new tracking numbers and moved to the Reportable Releases or Sites Transition List databases.

Date of Government Version: 09/30/1993
Date Data Arrived at EDR: 12/03/2003
Date Made Active in Reports: 12/31/2003
Number of Days to Update: 28

Source: Department of Environmental Protection
Telephone: 617-292-5720
Last EDR Contact: 12/03/2003
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

RELEASE: Reportable Releases

Contains information on all releases of oil and hazardous materials that have been reported to DEP

Date of Government Version: 01/10/2006
Date Data Arrived at EDR: 02/07/2006
Date Made Active in Reports: 02/22/2006
Number of Days to Update: 15

Source: Department of Environmental Protection
Telephone: 617-292-5990
Last EDR Contact: 02/07/2006
Next Scheduled EDR Contact: 05/08/2006
Data Release Frequency: Quarterly

INST CONTROL: Sites With Activity and Use Limitation

Activity and Use Limitations establish limits and conditions on the future use of contaminated property, and therefore allow cleanups to be tailored to these uses.

Date of Government Version: 01/10/2006
Date Data Arrived at EDR: 02/17/2006
Date Made Active in Reports: 03/17/2006
Number of Days to Update: 28

Source: Department of Environmental Protection
Telephone: 617-292-5990
Last EDR Contact: 02/08/2006
Next Scheduled EDR Contact: 05/08/2006
Data Release Frequency: Quarterly

DRYCLEANERS: Regulated Drycleaning Facilities

A listing of Department of Environmental Protection regulated drycleaning facilities that use perchloroethylene under the Environmental Results Program.

Date of Government Version: 02/15/2006
Date Data Arrived at EDR: 02/15/2006
Date Made Active in Reports: 02/22/2006
Number of Days to Update: 7

Source: Department of Environmental Protection
Telephone: 617-292-5633
Last EDR Contact: 02/13/2006
Next Scheduled EDR Contact: 05/15/2006
Data Release Frequency: Varies

ENFORCEMENT: Enforcement Action Cases

A listing of enforcement action cases tracked by Department of Environmental Protection programs, including Solid Waste and Hazardous Waste.

Date of Government Version: 08/01/2004
Date Data Arrived at EDR: 09/01/2004
Date Made Active in Reports: 10/01/2004
Number of Days to Update: 30

Source: Department of Environmental Quality
Telephone: 617-292-5979
Last EDR Contact: 02/27/2006
Next Scheduled EDR Contact: 05/29/2006
Data Release Frequency: Varies

LEAD: Lead Inspection Database

The Massachusetts Childhood Lead Poisoning Prevention Program data of lead inspection for the state.

Date of Government Version: 08/16/2005
Date Data Arrived at EDR: 10/20/2005
Date Made Active in Reports: 12/01/2005
Number of Days to Update: 42

Source: Department of Health & Human Services, Childhood Lead Poisoning Prevention Progr
Telephone: 617-624-5757
Last EDR Contact: 03/20/2006
Next Scheduled EDR Contact: 05/22/2006
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 02/08/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 177

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 02/06/2006
Next Scheduled EDR Contact: 05/08/2006
Data Release Frequency: Semi-Annually

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2003
Date Data Arrived at EDR: 01/31/2005
Date Made Active in Reports: 03/30/2005
Number of Days to Update: 58

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 03/13/2006
Next Scheduled EDR Contact: 06/12/2006
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 10/26/2005
Date Data Arrived at EDR: 11/16/2005
Date Made Active in Reports: 11/18/2005
Number of Days to Update: 2

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 03/01/2006
Next Scheduled EDR Contact: 05/29/2006
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: PennWell Corporation
Telephone: (800) 823-6277
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

2 KANSAS STREET
2 KANSAS STREET
WORCESTER, MA 01610

TARGET PROPERTY COORDINATES

Latitude (North):	42.24460 - 42° 14' 40.6''
Longitude (West):	71.8046 - 71° 48' 16.6''
Universal Tranverse Mercator:	Zone 19
UTM X (Meters):	268605.9
UTM Y (Meters):	4680529.5
Elevation:	452 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	42071-B7 WORCESTER SOUTH, MA
Most Recent Revision:	1983
North Map:	42071-C7 WORCESTER NORTH, MA
Most Recent Revision:	1983

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

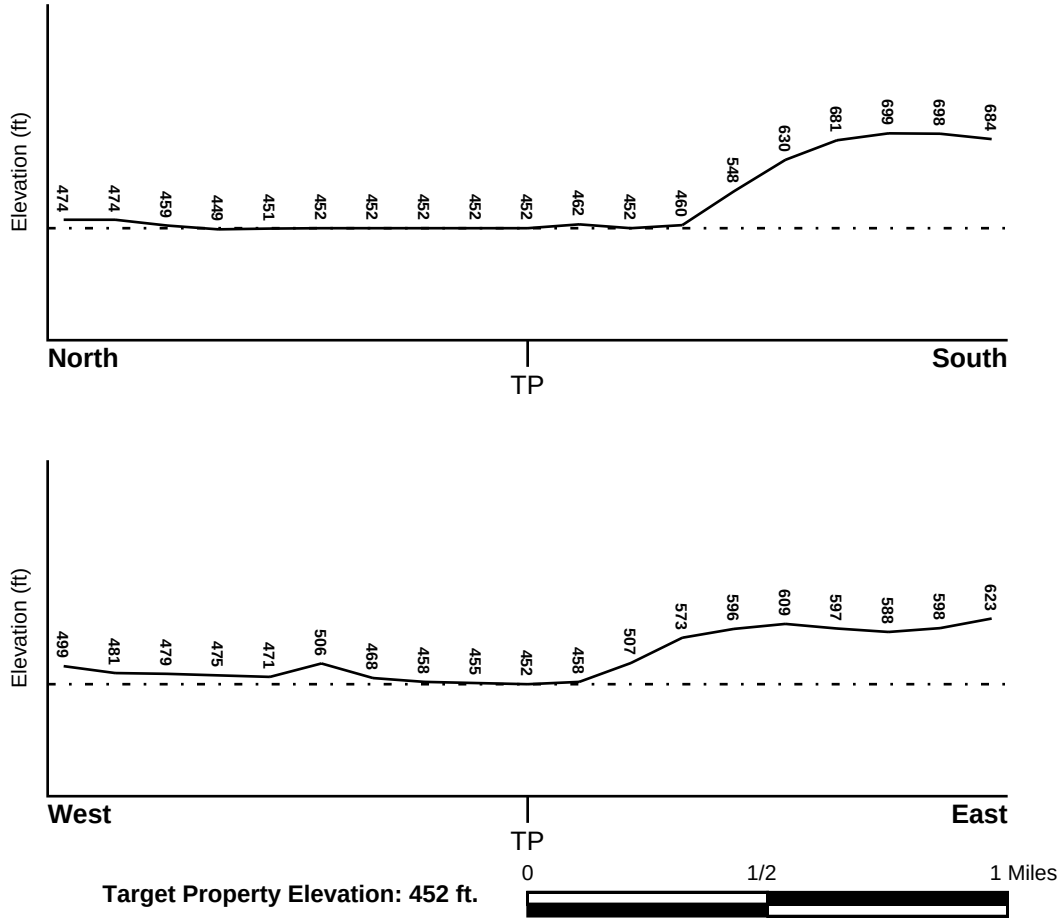
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General West

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
WORCESTER, MA	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 2503490025A

Additional Panels in search area: 2502920010C

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
WORCESTER SOUTH	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
2	0 - 1/8 Mile ESE	NE
7	1/4 - 1/2 Mile NW	VARIES
12	1/2 - 1 Mile North	SE
C13	1/2 - 1 Mile NNE	SSE
16	1/2 - 1 Mile West	SE

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Paleozoic
System:	Ordovician
Series:	Ordovician
Code:	Oe *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Eugeosynclinal Deposits

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	URBAN LAND
Soil Surface Texture:	variable
Hydrologic Group:	Not reported
Soil Drainage Class:	Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel:	Not Reported
Depth to Bedrock Min:	> 10 inches
Depth to Bedrock Max:	> 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: fine sandy loam
silt loam
very fine sandy loam

Surficial Soil Types: fine sandy loam
silt loam
very fine sandy loam

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: fine sandy loam
channery - silt loam
gravelly - loamy sand
silt loam
loamy fine sand
stratified
gravelly - sandy loam

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS3308680	0 - 1/8 Mile SSE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
3	USGS3308674	1/8 - 1/4 Mile SE
4	USGS3308685	1/8 - 1/4 Mile West
A5	USGS3308661	1/4 - 1/2 Mile SE
A6	USGS3308662	1/4 - 1/2 Mile SE
B8	USGS3308713	1/2 - 1 Mile North
B9	USGS3308714	1/2 - 1 Mile North
10	USGS3308720	1/2 - 1 Mile North
11	USGS3308729	1/2 - 1 Mile NNE
C14	USGS3308734	1/2 - 1 Mile NNE
C15	USGS3308733	1/2 - 1 Mile NNE
17	USGS3308732	1/2 - 1 Mile NNE
18	USGS3308677	1/2 - 1 Mile West

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

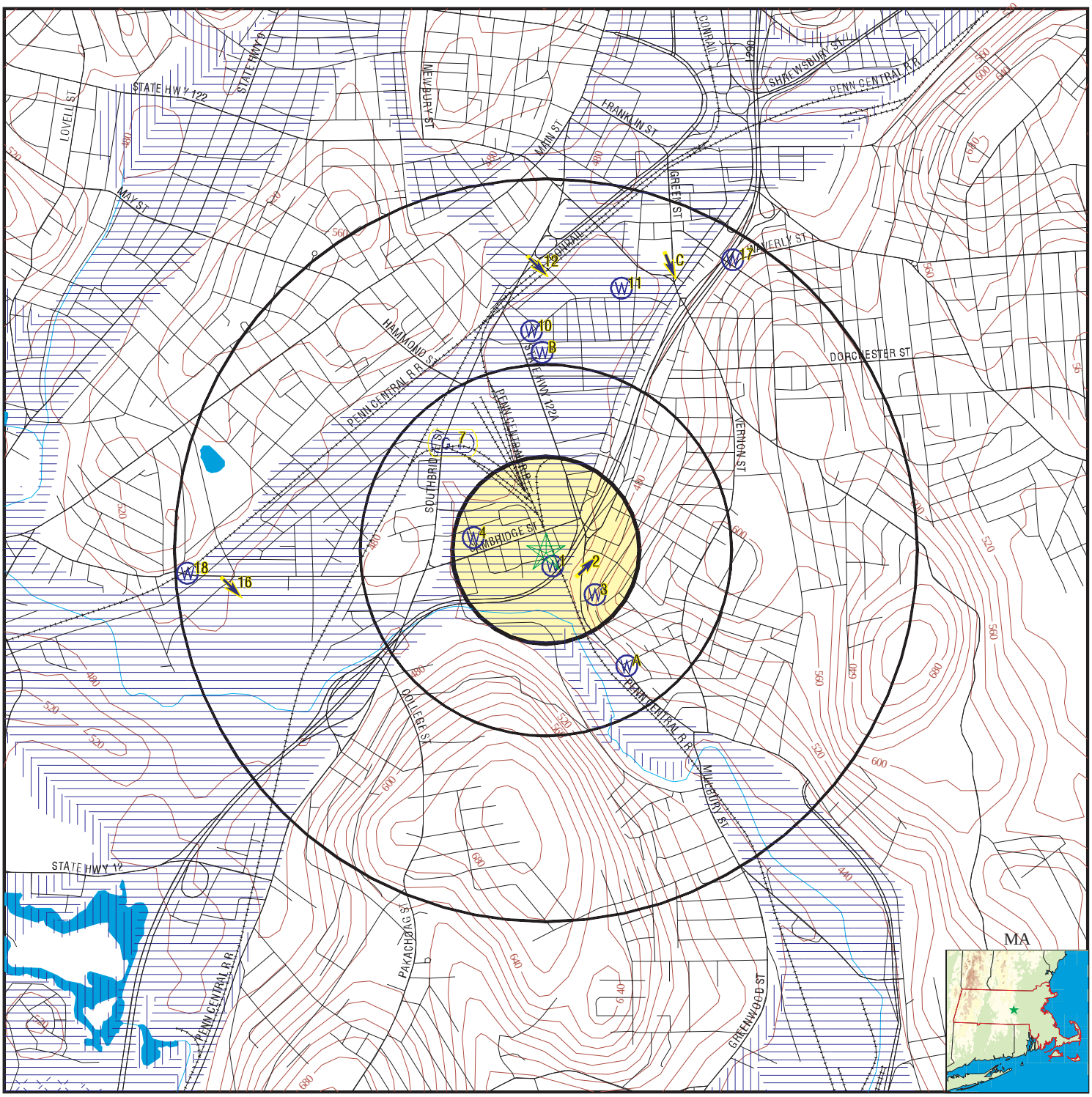
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 1642176.1s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

0 1/4 1/2 1 Miles

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location

- Potentially Productive Aquifers
- Not Potentially Productive Aquifers
- DEP Approved Zone IIs
- EPA Designated Sole Src. Aq.

SITE NAME: 2 Kansas Street ADDRESS: 2 Kansas Street Worcester MA 01610 LAT/LONG: 42.2446 / 71.8046	CLIENT: Knoll Environmental CONTACT: Momin Uddin INQUIRY #: 1642176.1s DATE: March 27, 2006

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
SSE
0 - 1/8 Mile
Higher | **FED USGS** | **USGS3308680**

Agency cd:	USGS	Site no:	421438071481701
Site name:	MA-XSW 64		
Latitude:	421438		
Longitude:	0714817	Dec lat:	42.2439822
Dec lon:	-71.80423778	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	25
State:	25	County:	027
Country:	US	Land net:	Not Reported
Location map:	WORCESTER S	Map scale:	24000
Altitude:	455.00	Altitude method:	M
Altitude accuracy:	Not Reported	Altitude datum:	NGVD29
Hydrologic:	Blackstone. Massachusetts, Rhode Island. Area = 451 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	196408
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	55.0	Hole depth:	55.0
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1964-08-01	Ground water data end date:	1964-08-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 0

2
ESE
0 - 1/8 Mile
Higher

Site ID:	2-0000930
Groundwater Flow:	NE
Water Table Depth:	Shallowest: 8.5 ft. Deepest: 16 ft.
Date:	04/28/1997

AQUIFLOW **5100**

3
SE
1/8 - 1/4 Mile
Higher | **FED USGS** | **USGS3308674**

Agency cd:	USGS	Site no:	421434071480901
Site name:	MA-XSW 14		
Latitude:	421434		
Longitude:	0714809	Dec lat:	42.2428711
Dec lon:	-71.8020156	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	25
State:	25	County:	027
Country:	US	Land net:	Not Reported
Location map:	WORCESTER S	Map scale:	24000
Altitude:	460.00	Altitude method:	M
Altitude accuracy:	Not Reported	Altitude datum:	NGVD29
Hydrologic:	Blackstone. Massachusetts, Rhode Island. Area = 451 sq.mi.		
Topographic:	Hillside (slope)		
Site type:	Ground-water other than Spring	Date construction:	1930
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	213	Hole depth:	213
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

4
West
1/8 - 1/4 Mile
Higher

FED USGS **USGS3308685**

Agency cd:	USGS	Site no:	421442071483201
Site name:	MA-XSW 65		
Latitude:	421442		
Longitude:	0714832	Dec lat:	42.2450933
Dec lon:	-71.8084044	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	25
State:	25	County:	027
Country:	US	Land net:	Not Reported
Location map:	WORCESTER S	Map scale:	24000
Altitude:	455.00	Altitude method:	M
Altitude accuracy:	Not Reported	Altitude datum:	NGVD29
Hydrologic:	Blackstone. Massachusetts, Rhode Island. Area = 451 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19640316
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	53.0	Hole depth:	53.0
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1964-03-16	Ground water data end date:	1964-03-16
Ground water data count:	1		

Ground-water levels, Number of Measurements: 0

A5
SE **FED USGS** **USGS3308661**
1/4 - 1/2 Mile
Higher

Agency cd:	USGS	Site no:	421424071480301
Site name:	MA-XSW 16		
Latitude:	421424		
Longitude:	0714803	Dec lat:	42.2400936
Dec lon:	-71.80034889	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	25
State:	25	County:	027
Country:	US	Land net:	Not Reported
Location map:	WORCESTER S	Map scale:	24000
Altitude:	455.00	Altitude method:	M
Altitude accuracy:	Not Reported	Altitude datum:	NGVD29
Hydrologic:	Blackstone. Massachusetts, Rhode Island. Area = 451 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	1931
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	BEDROCK		
Well depth:	35.0	Hole depth:	35.0
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1947-12-01	Ground water data end date:	1947-12-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 0

A6
SE **FED USGS** **USGS3308662**
1/4 - 1/2 Mile
Higher

Agency cd:	USGS	Site no:	421424071480302
Site name:	MA-XSW 17		
Latitude:	421424		
Longitude:	0714803	Dec lat:	42.2400936
Dec lon:	-71.80034889	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	25
State:	25	County:	027
Country:	US	Land net:	Not Reported
Location map:	WORCESTER S	Map scale:	24000

Altitude:	455.00	Altitude method:	M
Altitude accuracy:	Not Reported	Altitude datum:	NGVD29
Hydrologic:	Blackstone. Massachusetts, Rhode Island. Area = 451 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19470516
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	356	Hole depth:	356
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1947-05-16	Ground water data end date:	1947-05-16
Ground water data count:	1		

Ground-water levels, Number of Measurements: 0

7
NW
1/4 - 1/2 Mile
Higher

		AQUIFLOW	**5110**
Site ID:	2-0000190		
Groundwater Flow:	VARIES		
Water Table Depth:	Shallowest: 6 ft. Deepest: 8 ft.		
Date:	05/1990		

B8
North
1/2 - 1 Mile
Lower

FED USGS **USGS3308713**

Agency cd:	USGS	Site no:	421508071481801
Site name:	MA-XSW 69		
Latitude:	421508		
Longitude:	0714818	Dec lat:	42.25231556
Dec lon:	-71.8045156	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	25
State:	25	County:	027
Country:	US	Land net:	Not Reported
Location map:	WORCESTER N	Map scale:	24000
Altitude:	450.00	Altitude method:	M
Altitude accuracy:	Not Reported	Altitude datum:	NGVD29
Hydrologic:	Blackstone. Massachusetts, Rhode Island. Area = 451 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19670320
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	47.0	Hole depth:	47.0
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1967-03-28	Ground water data end date:	1967-03-28
Ground water data count:	1		

Ground-water levels, Number of Measurements: 0

B9
North
1/2 - 1 Mile
Lower

FED USGS **USGS3308714**

Agency cd:	USGS	Site no:	421508071482001
Site name:	MA-XSW 20		
Latitude:	421508		
Longitude:	0714820	Dec lat:	42.25231556
Dec lon:	-71.8050711	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	25
State:	25	County:	027
Country:	US	Land net:	Not Reported
Location map:	WORCESTER N	Map scale:	24000
Altitude:	450.00	Altitude method:	M
Altitude accuracy:	Not Reported	Altitude datum:	NGVD29
Hydrologic:	Blackstone. Massachusetts, Rhode Island. Area = 451 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Multiple wells (a group of wells that are pumped through a single header)		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	35.0	Hole depth:	35.0
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1947-01-01	Ground water data end date:	1947-01-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 0

10
North
1/2 - 1 Mile
Lower

FED USGS **USGS3308720**

Agency cd:	USGS	Site no:	421511071482101
Site name:	MA-XSW 86		
Latitude:	421511		
Longitude:	0714821	Dec lat:	42.25314889
Dec lon:	-71.80534889	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	25
State:	25	County:	027
Country:	US	Land net:	Not Reported
Location map:	WORCESTER S	Map scale:	24000

Altitude:	450.00	Altitude method:	M
Altitude accuracy:	Not Reported	Altitude datum:	NGVD29
Hydrologic:	Blackstone. Massachusetts, Rhode Island. Area = 451 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19741111
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	160	Hole depth:	160
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1974-11-11	Ground water data end date:	1974-11-11
Ground water data count:	1		

Ground-water levels, Number of Measurements: 0

11
NNE **FED USGS** **USGS3308729**
1/2 - 1 Mile
Lower

Agency cd:	USGS	Site no:	421517071480401
Site name:	MA-XSW 22		
Latitude:	421517		
Longitude:	0714804	Dec lat:	42.25481556
Dec lon:	-71.8006267	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	25
State:	25	County:	027
Country:	US	Land net:	Not Reported
Location map:	WORCESTER N	Map scale:	24000
Altitude:	448.00	Altitude method:	M
Altitude accuracy:	Not Reported	Altitude datum:	NGVD29
Hydrologic:	Blackstone. Massachusetts, Rhode Island. Area = 451 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	1939
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	BEDROCK		
Well depth:	150	Hole depth:	150
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1939-01-01	Ground water data end date:	1939-01-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

			Database	EDR ID Number
12 **North** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Water Table Depth: Date:	2-0000174 SE Shallowest: 5.20 ft. Deepest: 8.35 ft. 09/01/1983	**AQUIFLOW**	**5109**
C13 **NNE** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Water Table Depth: Date:	2-0000671 SSE Shallowest: 2.05 ft. Deepest: 16.05 ft. 09/1993	**AQUIFLOW**	**5097**

C14
NNE
1/2 - 1 Mile
Higher

FED USGS **USGS3308734**

Agency cd:	USGS	Site no:	421521071475502
Site name:	MA-XSW 3		
Latitude:	421521		
Longitude:	0714755	Dec lat:	42.25592667
Dec lon:	-71.7981267	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	25
State:	25	County:	027
Country:	US	Land net:	Not Reported
Location map:	WORCESTER N	Map scale:	24000
Altitude:	485.00	Altitude method:	M
Altitude accuracy:	Not Reported	Altitude datum:	NGVD29
Hydrologic:	Blackstone. Massachusetts, Rhode Island. Area = 451 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19390613
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	34.0	Hole depth:	34.0
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

C15
NNE
1/2 - 1 Mile
Higher

FED USGS **USGS3308733**

Agency cd:	USGS	Site no:	421521071475501
Site name:	MA-XSW 2		
Latitude:	421521		
Longitude:	0714755	Dec lat:	42.25592667
Dec lon:	-71.7981267	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	25
State:	25	County:	027
Country:	US	Land net:	Not Reported
Location map:	WORCESTER N	Map scale:	24000
Altitude:	485.00	Altitude method:	M
Altitude accuracy:	Not Reported	Altitude datum:	NGVD29
Hydrologic:	Blackstone. Massachusetts, Rhode Island. Area = 451 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	1944
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	100	Hole depth:	100
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

16
West
1/2 - 1 Mile
Higher

Site ID:	2-0000711	**AQUIFLOW**	**5112**
Groundwater Flow:	SE		
Water Table Depth:	Shallowest: 12.58 ft. Deepest: 14.38 ft.		
Date:	07/08/1990		

17
NNE
1/2 - 1 Mile
Higher

FED USGS **USGS3308732**

Agency cd:	USGS	Site no:	421521071474301
Site name:	MA-XSW 19		
Latitude:	421521		
Longitude:	0714743	Dec lat:	42.25592667
Dec lon:	-71.7947933	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	25
State:	25	County:	027
Country:	US	Land net:	Not Reported
Location map:	WORCESTER N	Map scale:	24000
Altitude:	500.00	Altitude method:	M
Altitude accuracy:	Not Reported	Altitude datum:	NGVD29
Hydrologic:	Blackstone. Massachusetts, Rhode Island. Area = 451 sq.mi.		
Topographic:	Hillside (slope)		
Site type:	Ground-water other than Spring	Date construction:	1934
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	BEDROCK		
Well depth:	120	Hole depth:	120
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1947-01-01	Ground water data end date:	1947-01-01
Ground water data count:	1		

Ground-water levels, Number of Measurements: 0

18
West
1/2 - 1 Mile
Higher

FED USGS **USGS3308677**

Agency cd:	USGS	Site no:	421437071492601
Site name:	MA-XSB 1		
Latitude:	421437		
Longitude:	0714926	Dec lat:	42.24370444
Dec lon:	-71.8234047	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	25
State:	25	County:	027
Country:	US	Land net:	Not Reported
Location map:	WORCESTER S	Map scale:	24000
Altitude:	490.00	Altitude method:	U
Altitude accuracy:	Not Reported	Altitude datum:	NGVD29
Hydrologic:	Blackstone. Massachusetts, Rhode Island. Area = 451 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	27.0	Hole depth:	27.0
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: MA Radon

Radon Test Results

County	% of sites>4 pCi/L	Median
WORCESTER	38	2.8

Federal EPA Radon Zone for WORCESTER County: 1

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 01610

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	Not Reported	Not Reported	Not Reported	Not Reported
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	1.600 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Massachusetts Geographic Information System (MassGIS) Datalayers
Source: Executive Office of Environmental Affairs

Public Water Supply Database: The Public Water Supply datalayer contains the locations of public community surface and groundwater supply sources and public non-community supply sources as defined in 310 CMR 22.00.

OTHER STATE DATABASE INFORMATION

Areas of Critical Environmental Concern Datalayer: The Areas of Critical Environmental Concern (ACEC) datalayer shows the location of areas that have been designated ACECs by the Secretary of Environmental Affairs. ACEC designation requires greater environmental review of certain kinds of proposed development under state jurisdiction within the ACEC boundaries. The ACEC Program is administered by the Department of Environmental Management (DEM) on behalf of the Secretary of Environmental Affairs. The Massachusetts Coastal Zone Management (MCZM) Office managed the original Coastal ACEC Program from 1978 to 1993, and continues to play a key role in monitoring coastal ACECs. Procedures for ACEC designation and the general policies governing the effects of designation are contained in the ACEC regulations (301 CMR 12.00). The ACEC datalayer has been compiled by MCZM and DEM and includes both coastal and inland areas.

EPA Designated Sole Source Aquifers Datalayer: The Sole Source Aquifer datalayer was compiled by the Department of Environmental Protection (DEP) Division of Water Supply (DWS). Seven Sole Source Aquifers have been designated by the US Environmental Protection Agency (EPA) for Massachusetts. A Sole Source Aquifer (SSA) is an aquifer designated by US EPA as the sole or principal source of drinking water for a given aquifer service area; that is, an aquifer which is needed to supply 50% or more of the drinking water for that area and for which there are no reasonably available alternative sources should that aquifer become contaminated. The aquifers were defined by a EPA hydrogeologist.

Aquifers Datalayer: MassGIS produced an aquifer datalayer composed of 20 individual panels, generally based on the boundaries of the major drainage basins. Areas of high and medium yield were mapped. This datalayer includes polygon attribute coding to help in the identification of areas in which cleanup of hazardous waste sites must meet drinking water standards, as defined in the Massachusetts Contingency Plan (MCP) (310 CMR 40.00000).

DEP Approved Zone IIs Datalayer: The Department of Environmental Protection (DEP) approved Zone IIs datalayer was compiled by the DEP Division of Water Supply (DWS). The database contains 281 approved Zone IIs statewide. As stated in 310 CMR 22.02, a Zone II is "that area of an aquifer which contributes water to a well under the most severe pumping and recharge conditions that can be realistically anticipated (180 days of pumping at safe yield, with no recharge from precipitation.) It is bounded by the groundwater divides which result from pumping the well and by the contact of the aquifer with less permeable materials such as till or bedrock. In some cases, streams or lakes may act as recharge boundaries. In all cases, Zone IIs shall extend up gradient to its point of intersection with prevailing hydrogeologic boundaries (a groundwater flow divide, a contact with till or bedrock, or a recharge boundary)." These data are used in association with the Public Water Supplies datalayer. The following describes certain unique features of this association.

- Any proposed new well which will pump at least 100,000 gallons per day must have a Zone II delineation completed and approved by DEP prior to the well coming on line.
- Additionally, a new source may not be on-line yet, but other, older wells may fall within its Zone II boundary.
- Further, existing wells must have a Zone II delineated as a condition of receiving a water withdrawal permit under the Water Management Act.

RADON

State Database: MA Radon
Source: Department of Health
Telephone: 413-586-7525
Radon Test Results

PHYSICAL SETTING SOURCE RECORDS SEARCHED

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

STREET AND ADDRESS INFORMATION

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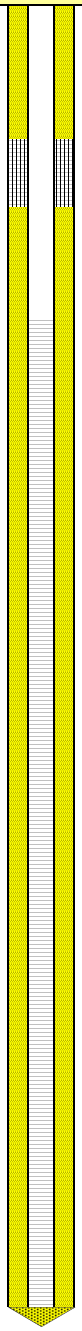
APPENDIX B

BORING LOGS AND WELL CONSTRUCTION REPORTS

BORING LOG & OBSERVATION WELL REPORT

Project: Kansas Street
Location: 2 Kansas Street, Worcester, MA — **Well: Knoll-1**
Contractor: Hydro-Tech Drilling
Inspector: Kevin Doherty — **Weather: Sunny, Mid 30's**
Driller: Vincent Paradeau — **Date Begun: December 15, 2004**
Drilling Method: Hollow Stem Auger — **Date Ended: December 15, 2004**

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1–3					Black medium sand and some fine to medium gravel debris: wood, glass, metal, brick, concrete
4					6" concrete pad
5					Black medium to fine sand some fine gravel
6–10					Brown fine to medium sand
11–14					Moist black medium sand some fine to coarse gravel
15–20					Wet fine to very fine grey/ brown sand



Bentonite seal

Depth to top of screen
5'

Boring Diameter:
2.5"

Boring fill:
Jesse Morie gravel #1

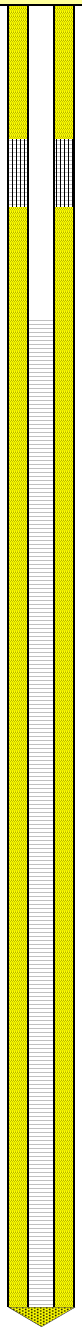
Screen 1.25"
Sc 40 PVC
0.010" slot

Bottom of Hole
20"

BORING LOG & OBSERVATION WELL REPORT

Project: Kansas Street
Location: 2 Kansas Street, Worcester, MA — **Well: Knoll-2**
Contractor: Hydro-Tech Drilling
Inspector: Kevin Doherty — **Weather: Sunny, Mid 30's**
Driller: Vincent Paradeau — **Date Begun: December 15, 2004**
Drilling Method: Hollow Stem Auger — **Date Ended: December 15, 2004**

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1–3					Black medium sand and some fine to medium gravel debris: wood, glass, metal, brick, concrete
4					6" concrete pad
5					Black medium to fine sand some fine gravel
6–10					Brown fine to medium sand
11–14					Moist black medium sand some fine to coarse gravel
15–20					Wet fine to very fine grey/ brown sand



Bentonite seal

Depth to top of screen
5'

Boring Diameter:
2.5"

Boring fill:
Jesse Morie gravel #1

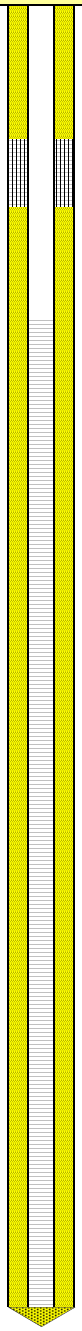
Screen 1.25"
Sc 40 PVC
0.010" slot

Bottom of Hole
20"

BORING LOG & OBSERVATION WELL REPORT

Project: Kansas Street
Location: 2 Kansas Street, Worcester, MA — **Well: Knoll-3**
Contractor: Hydro-Tech Drilling
Inspector: Kevin Doherty — **Weather: Sunny, Mid 30's**
Driller: Vincent Paradeau — **Date Begun: December 15, 2004**
Drilling Method: Hollow Stem Auger — **Date Ended: December 15, 2004**

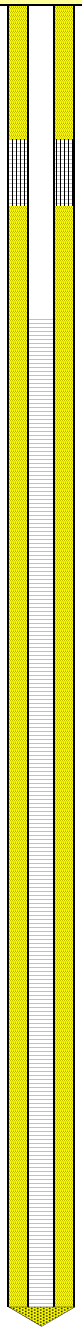
Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile	Well Construction
1–3					Black medium sand and some fine to medium gravel debris: wood, glass, metal, brick, concrete	Bentonite seal
4					6" concrete pad	
5					Black medium to fine sand some fine gravel	Depth to top of screen 5'
6–8					Brown fine to medium sand	Boring Diameter: 2.5"
9						Boring fill: Jesse Morie gravel #1
10–12					Moist black medium sand some fine to coarse gravel	Screen 1.25" Sc 40 PVC 0.010" slot
13–17					Wet fine to very fine grey/ brown sand	
18–20						Bottom of Hole 20"



BORING LOG & OBSERVATION WELL REPORT

Project: Kansas Street
Location: 2 Kansas Street, Worcester, MA — **Well: Knoll-4**
Contractor: Hydro-Tech Drilling
Inspector: Kevin Doherty — **Weather: Sunny, Mid 30's**
Driller: Vincent Paradeau — **Date Begun: December 15, 2004**
Drilling Method: Hollow Stem Auger — **Date Ended: December 16, 2004**

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile	Well Construction
1–3					Black medium sand and some fine to medium gravel debris: wood, glass, metal, brick, concrete	Bentonite seal
4					6" concrete pad	
5					Black medium to fine sand some fine gravel	Depth to top of screen 5'
6–8					Brown fine to medium sand	Boring Diameter: 2.5"
9						Boring fill: Jesse Morie gravel #1
10–14					Moist black medium sand some fine to coarse gravel	Screen 1.25" Sc 40 PVC 0.010" slot
15–19					Wet fine to very fine grey/ brown sand	Bottom of Hole 20"
20						

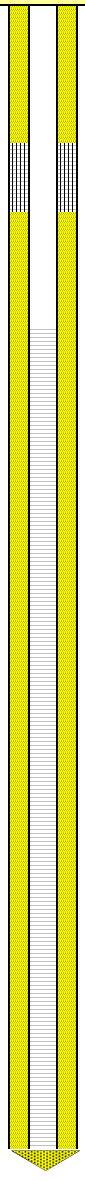


BORING LOG & OBSERVATION WELL REPORT

Project: Kansas Street
Location: 2 Kansas Street, Worcester, MA
Contractor: TDS
Inspector: Kevin Doherty
Driller: Mike Gleason
Drilling Method: Hollow Stem Auger

Well: Knoll-5
Digsafe: 20052505594
Weather: Sunny, Mid 80's
Date Begun: June 21, 2005
Date Ended: June 21, 2005

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile	Well Construction
1–17					Black medium sand and some fine to medium gravel debris: wood, glass, metal, brick, concrete	3' Stick up
					6" concrete pad	Bentonite seal
					Black medium to fine sand some fine gravel	Depth to top of screen 7'
					Moist black medium sand some fine to coarse gravel	Boring fill: Well Sand Screen 2" Sc 40 PVC 0.010" slot
					Wet, grey/ brown silt layers	Bottom of Hole 17'

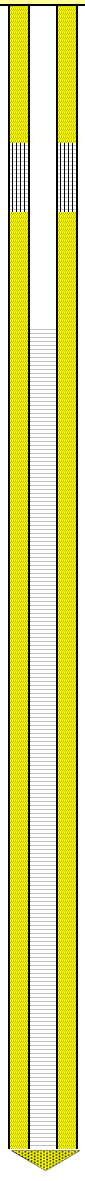


BORING LOG & OBSERVATION WELL REPORT

Project: Kansas Street
Location: 2 Kansas Street, Worcester, MA
Contractor: TDS
Inspector: Kevin Doherty
Driller: Mike Gleason
Drilling Method: Hollow Stem Auger

Well: Knoll-6
Digsafe: 20052505594
Weather: Sunny, Mid 80's
Date Begun: June 21, 2005
Date Ended: June 21, 2005

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile	Well Construction
1–17					Black medium sand and some fine to medium gravel debris: wood, glass and metal Black medium to fine sand some fine gravel Moist black medium sand some fine to coarse gravel Wet, grey/ brown silt layers	3' Stick up Bentonite seal Depth to top of screen 7' Boring fill: Well Sand Screen 2" Sc 40 PVC 0.010" slot Bottom of Hole 17'

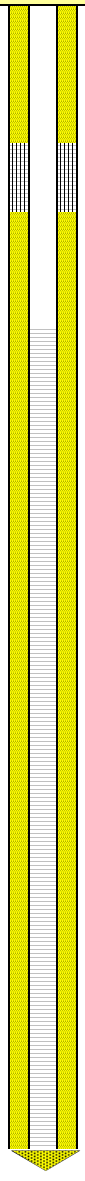


BORING LOG & OBSERVATION WELL REPORT

Project: Kansas Street
Location: 2 Kansas Street, Worcester, MA
Contractor: TDS
Inspector: Kevin Doherty
Driller: Mike Gleason
Drilling Method: Hollow Stem Auger

Well: Knoll-7
Digsafe: 20052505594
Weather: Sunny, Mid 80's
Date Begun: June 21, 2005
Date Ended: June 21, 2005

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile	Well Construction
1					Black medium sand and some fine to medium gravel debris: wood, glass, metal, brick, concrete	3' Stick up
2						
3						Bentonite seal
4					6" concrete pad	
5					Black medium to fine sand some fine gravel	Depth to top of screen 7'
6						
7						
8						
9						Boring fill: Well Sand
10						
11					Moist black medium sand some fine to coarse gravel	Screen 2" Sc 40 PVC 0.010" slot
12						
13						
14						
15					Wet, grey/ brown silt layers	
16						Bottom of Hole 17'
17						

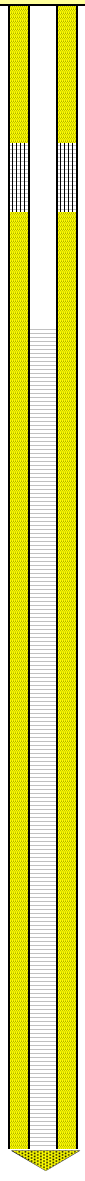


BORING LOG & OBSERVATION WELL REPORT

Project: Kansas Street
Location: 2 Kansas Street, Worcester, MA
Contractor: TDS
Inspector: Kevin Doherty
Driller: Mike Gleason
Drilling Method: Hollow Stem Auger

Well: Knoll-8
Digsafe: 20052505594
Weather: Sunny, Mid 80's
Date Begun: June 21, 2005
Date Ended: June 21, 2005

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile	Well Construction
1					Black medium sand and some fine to medium gravel debris: wood, glass and metal	3' Stick up
2						
3						Bentonite seal
4						
5					Black medium to fine sand some fine gravel	Depth to top of screen 7'
6						
7						
8						
9						Boring fill: Well Sand
10						Screen 2" Sc 40 PVC 0.010" slot
11					Moist black medium sand some fine to coarse gravel	
12						
13						
14						
15					Wet, grey/ brown silt layers	Bottom of Hole 17'
16						
17						

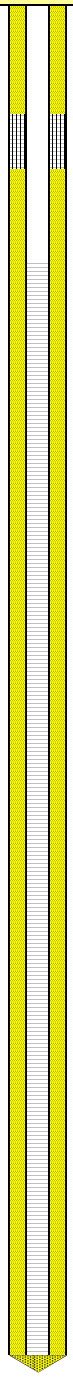


BORING LOG & OBSERVATION WELL REPORT

Project: Kansas Street
Location: 2 Kansas Street, Worcester, MA
Contractor: TDS
Inspector: Kevin Doherty
Driller: Mike Gleason
Drilling Method: Hollow Stem Auger

Well: Knoll-9
Digsafe: 20052505594
Weather: Sunny, 80^0
Date Begun: June 20, 2005
Date Ended: June 20, 2004

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile	Well Construction
2					Black fine to medium sand debris: wood, glass, metal	2' Stick up
4					Dark brown fine sand	
6					Dark brown to gray fine sand	Bentonite seal
8						
10					Moist dark gray, silty sand medium to coarse gravel oil odor	Depth to top of screen 6'
12						
14					Wet, light gray silty fine sand oil odor	
16					Dark gray sand	
18						Boring fill: Well sand
20						
22					Light brown silt	Screen 2" Sc 40 PVC 0.010" slot
24						
26						
28						
30						
32						
34						
36						
38					Dark gray silt	
40						
42						
44						
46						Bottom of Boring: 50'
48						
50					Rock at 50'	

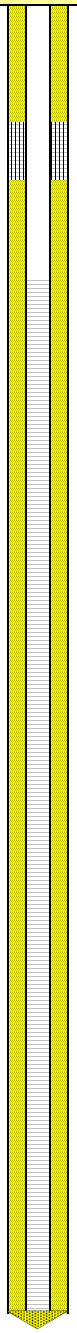


BORING LOG & OBSERVATION WELL REPORT

Project: Kansas Street
Location: 2 Kansas Street, Worcester, MA
Contractor: TDS
Inspector: Kevin Doherty
Driller: Mike Gleason
Drilling Method: Hollow Stem Auger

Well: Knoll-10
Digsafe: 20052505594
Weather: Sunny, 80^0
Date Begun: June 20, 2005
Date Ended: June 20, 2004

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile	Well Construction
2					Dark brown organic layer	2' Stick up
					Dark brown fine sand	
4					Light brown and medium to coarse gravel	
6						Bentonite seal
8					Moist, light gray to gray layers of fine sand	
10						Depth to top of screen 5'
12						
14					Wet, light gray silty fine sand oil odor	
16					Dark gray silt	
18					Light brown silt	Boring fill: Well sand
20						Screen 2" Sc 40 PVC 0.010" slot
22					Gray silt	
24					Brown and gray silt layers	
26						
28						
30					Dark gray silt	
32						
34						
36						
38						
40					Gray silt	
42						
44					rock at 45'	Bottom of Boring: 45'
46						



BORING LOG & OBSERVATION WELL REPORT

Project: Kansas Street
Location: 2 Kansas Street, Worcester, MA
Contractor: TDS
Inspector: Kevin Doherty
Driller: Mike Gleason
Drilling Method: Hollow Stem Auger

Well: Knoll-11
Digsafe: 20052505594
Weather: Sunny, 80^0
Date Begun: June 20, 2005
Date Ended: June 20, 2004

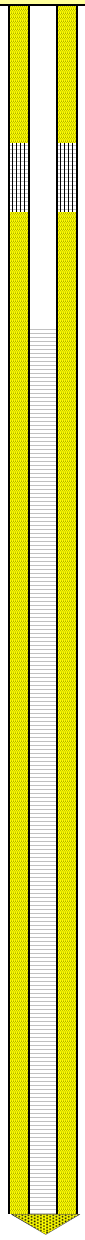
Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile	Well Construction
2					Light brown organic layer	2' Stick up
4						
6					Dark brown sand medium to coarse gravel	Bentonite seal
8						
10					Dark brown sand coarse gravel	Depth to top of screen 8'
12						
14					Dark brown sand boulders, little retrieval	
16						
18					Wet, brown silt	Boring fill: Well sand
20						Screen 2" Sc 40 PVC 0.010" slot
22						
24						
26						
28					No retrieval	
30						
32						
34						
36						
38						
40						
42						
44						
46						
48					Rock from 43-52'	
50						
51						Bottom of Boring: 52'
52						

BORING LOG & OBSERVATION WELL REPORT

Project: Kansas Street
Location: 2 Kansas Street, Worcester, MA
Contractor: Hydro_Tech
Inspector: Kevin Doherty
Drilling Method: Hollow Stem Auger

Well: Knoll-12
Digsafe: 20052505594
Weather: Sunny, Mid 80's
Date Begun: July 24, 2005
Date Ended: July 24, 2005

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile	Well Construction
1					4" Asphalt	6" road box
2					Black medium sand medium gravel and metal	
3						Bentonite seal
4						
5						Depth to top of screen 8'
6					Grey medium to fine sand medium to coarse gravel	
7						
8						
9						Boring fill: Well Sand
10						Screen 1.25" Sc 40 PVC 0.010" slot
11						
12						
13						
14					Grey medium to fine sand medium to coarse gravel	
15						Bottom of Hole 18'
16						
17						
18						



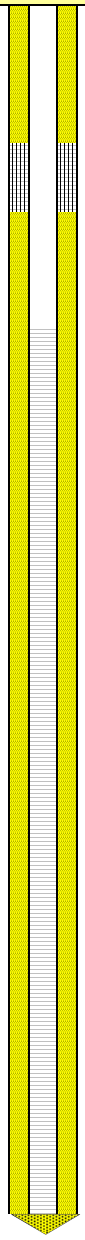
BORING LOG & OBSERVATION WELL REPORT

Project: Kansas Street
Location: 2 Kansas Street, Worcester, MA
Contractor: Hydro_Tech
Inspector: Kevin Doherty
Drilling Method: Hollow Stem Auger

Well: Knoll-13
Digsafe: 20052505594
Weather: Sunny, Mid 80's
Date Begun: July 24, 2005
Date Ended: July 24, 2005

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
0					4" Asphalt
1					Black fine to medium sand medium to coarse gravel
2					
3					
4					Dark brown fine sand fine to medium gravel
5					
6					Light brown silty sand fine to medium gravel
7					
8					
9					
10					
11					Grey medium to fine sand medium to coarse gravel
12					
13					
14					No retrieval: coarse gravel
15					
16					Grey silt oil odor
17					
18					

Well Construction



6" roadbox

Bentonite seal

Depth to top of screen
8'

Boring fill:
Well Sand

Screen 1.25"
Sc 40 PVC
0.010" slot

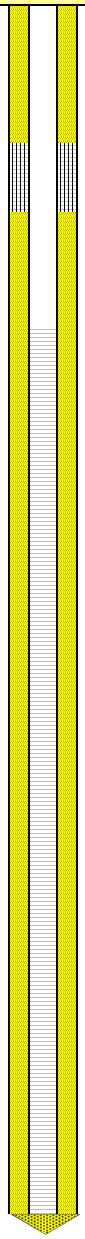
Bottom of Hole
18'

BORING LOG & OBSERVATION WELL REPORT

Project: Kansas Street
Location: 2 Kansas Street, Worcester, MA
Contractor: Hydro_Tech
Inspector: Kevin Doherty
Drilling Method: Hollow Stem Auger

Well: Knoll-14
Digsafe: 20052505594
Weather: Sunny, Mid 80's
Date Begun: July 24, 2005
Date Ended: July 24, 2005

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile	Well Construction
1					4" Asphalt	6" roadbox
2					Black fine to medium sand medium to coarse gravel	
3						Bentonite seal
4						
5					Light brown fine sand fine sand some fine gravel	
6						Depth to top of screen 8'
7					Fill: processed gravel, fine sand fine to medium gravel	
8						
9						Boring fill: Well Sand
10						
11					Moist light brown silt some fine sand	Screen 1.25" Sc 40 PVC 0.010" slot
12						
13						
14						
15						Bottom of Hole 18'
16					Orange/ brown silt	
17						
18						

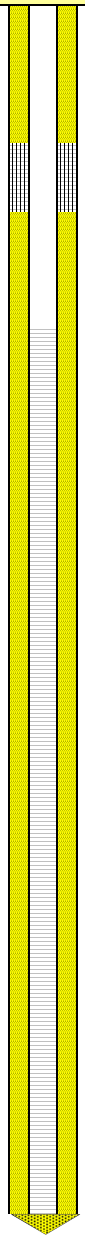


BORING LOG & OBSERVATION WELL REPORT

Project: Kansas Street
Location: 2 Kansas Street, Worcester, MA
Contractor: Hydro_Tech
Inspector: Kevin Doherty
Drilling Method: Hollow Stem Auger

Well: Knoll-15
Digsafe: 20052505594
Weather: Sunny, Mid 80's
Date Begun: July 24, 2005
Date Ended: July 24, 2005

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1					Dark brown to black fine sand fine to medium gravel
2					
3					
4					
5					Light brown fine sand
6					
7					Coarse gravel some fine to medium sand
8					
9					
10					
11					Grey fine silty sand some fine gravel
12					
13					
14					
15					
16					Wet brown silt
17					
18					



6" roadbox

Bentonite seal

Depth to top of screen
8'

Boring fill:
Well Sand

Screen 1.25"
Sc 40 PVC
0.010" slot

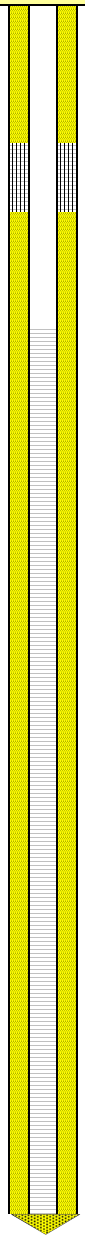
Bottom of Hole
18'

BORING LOG & OBSERVATION WELL REPORT

Project: Kansas Street
Location: 2 Kansas Street, Worcester, MA
Contractor: Hydro_Tech
Inspector: Kevin Doherty
Drilling Method: Hollow Stem Auger

Well: Knoll-16
Digsafe: 20052505594
Weather: Sunny, Mid 80's
Date Begun: July 24, 2005
Date Ended: July 24, 2005

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1–5					Dark brown to black fine sand fine to medium gravel
5–8					Wet at 5' Dark brown fine silty sand
8–10					Black fine sand medium to coarse gravel
10–15					Grey to light brown silt some fine sand
15–18					Wet light brown silt

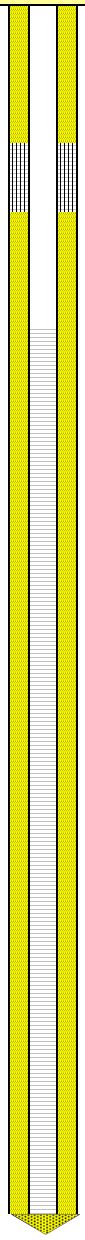


BORING LOG & OBSERVATION WELL REPORT

Project: Kansas Street
Location: 2 Kansas Street, Worcester, MA
Contractor: Hydro_Tech
Inspector: Kevin Doherty
Drilling Method: Hollow Stem Auger

Well: Knoll-17
Digsafe: 20052505594
Weather: Sunny, Mid 80's
Date Begun: July 25, 2005
Date Ended: July 25, 2005

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile	Well Construction
1					Black fine sand fine to medium gravel	6" roadbox
2						
3						Bentonite seal
4						
5						Depth to top of screen 8'
6						
7						
8						
9						Boring fill: Well Sand
10					Wet dark grey silt	Screen 1.25" Sc 40 PVC 0.010" slot
11						
12						
13						
14						
15						Bottom of Hole 18'
16					Grey silt	
17						
18						

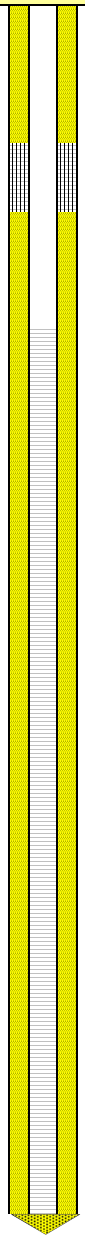


BORING LOG & OBSERVATION WELL REPORT

Project: Kansas Street
Location: 2 Kansas Street, Worcester, MA
Contractor: Hydro_Tech
Inspector: Kevin Doherty
Drilling Method: Hollow Stem Auger

Well: Knoll-18
Digsafe: 20052505594
Weather: Sunny, Mid 80's
Date Begun: July 25, 2005
Date Ended: July 25, 2005

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile	Well Construction
1–3					Black fine sand fine to medium gravel	6" roadbox
3–5					Brown fine sand	Bentonite seal
5–9					Light brown fine silty sand	Depth to top of screen 8'
9–11					Moist Grey, silty fine sand oil odor	Boring fill: Well Sand Screen 1.25" Sc 40 PVC 0.010" slot
11–15					Light brown silt	
15–18					Brown silt	Bottom of Hole 18'



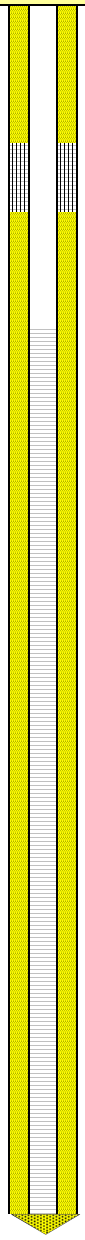
BORING LOG & OBSERVATION WELL REPORT

Project: Kansas Street
Location: 2 Kansas Street, Worcester, MA
Contractor: Hydro_Tech
Inspector: Kevin Doherty
Drilling Method: Hollow Stem Auger

Well: Knoll-19

Weather: Sunny, 20^0
Date Begun: January 13, 2006
Date Ended: January 13, 2006

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1					Black fine sand fine to medium gravel
2					
3					
4					Black fineto medium sand
5					
6					No retrieval
7					
8					
9					Moist Grey, silty fine sand
10					
11					Light brown silt
12					
13					
14					
15					Brown silt
16					
17					
18					

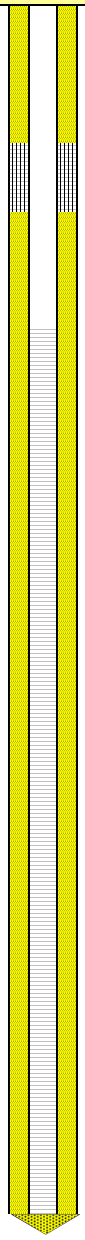


BORING LOG & OBSERVATION WELL REPORT

Project: Kansas Street
Location: 2 Kansas Street, Worcester, MA
Contractor: Hydro_Tech
Inspector: Kevin Doherty
Drilling Method: Hollow Stem Auger

Well: Knoll-20
Weather: Sunny, 70^0
Date Begun: July 9, 2006
Date Ended: July 9, 2006

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile	Well Construction
1–3					Black fine sand fine to medium gravel	6" roadbox
3–5					Black fine to medium sand	Bentonite seal
5–9					No retrieval	Depth to top of screen 8'
9–11					Moist Grey, silty fine sand	Boring fill: Well Sand
11–15					Wet, light brown silt	Screen 1.25" Sc 40 PVC 0.010" slot
15–18					Brown silt	Bottom of Hole 18'

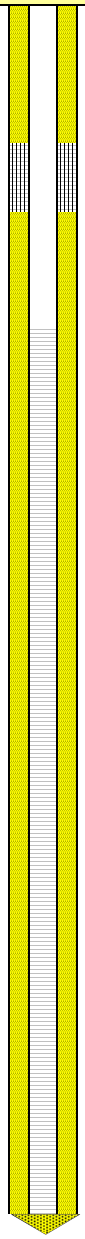


BORING LOG & OBSERVATION WELL REPORT

Project: Kansas Street
Location: 2 Kansas Street, Worcester, MA
Contractor: Hydro_Tech
Inspector: Kevin Doherty
Drilling Method: Hollow Stem Auger

Well: Knoll-21
Weather: Sunny, 40^0
Date Begun: December 14, 2006
Date Ended: December 14, 2006

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile	Well Construction
1–3					Black fine sand fine to medium gravel Fill: glass, metal, and wood	6" roadbox
3					Concrete floor/ basement	Bentonite seal
4–5					No retrieval	
5–8					Black medium sand some fine to coarse gravel	Depth to top of screen 8'
9–10					Moist Grey, silty fine sand	Boring fill: Well Sand
11–15					Wet, light brown silt and fine sand	Screen 1.25" Sc 40 PVC 0.010" slot
15–18					Brown silt and fine sand	Bottom of Hole 18'

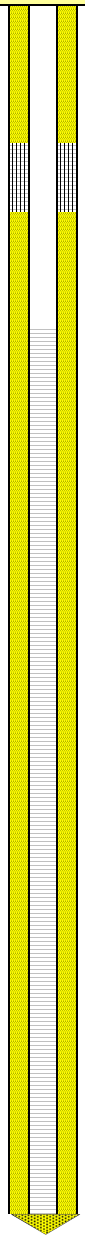


BORING LOG & OBSERVATION WELL REPORT

Project: Kansas Street
Location: 2 Kansas Street, Worcester, MA
Contractor: Hydro_Tech
Inspector: Kevin Doherty
Drilling Method: Hollow Stem Auger

Well: Knoll-22
Weather: Sunny, 40^0
Date Begun: December 14, 2006
Date Ended: December 14, 2006

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile	Well Construction
1–3					Black fine sand fine to medium gravel Fill: glass, metal, and wood	6" roadbox
3–9					Brown fine sand, some silt some fine to medium gravel	Bentonite seal Depth to top of screen 8'
9–11					Moist Grey, silty fine sand	Boring fill: Well Sand Screen 1.25" Sc 40 PVC 0.010" slot
11–15					Wet, light brown silt and fine sand	
15–18					Brown silt and fine sand	Bottom of Hole 18'

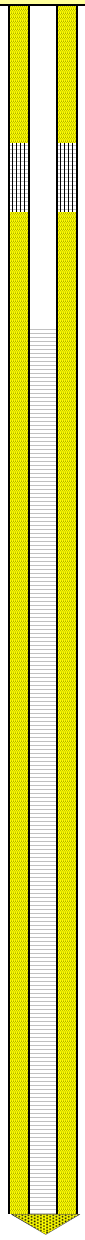


BORING LOG & OBSERVATION WELL REPORT

Project: Kansas Street
Location: 2 Kansas Street, Worcester, MA
Contractor: Hydro_Tech
Inspector: Kevin Doherty
Drilling Method: Hollow Stem Auger

Well: Knoll-23
Weather: Sunny, 40^0
Date Begun: December 14, 2006
Date Ended: December 14, 2006

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile	Well Construction
1					4" concrete pad	6" roadbox
2						
3						Bentonite seal
4						
5					Medium to coarse gravel, some fine sand	Depth to top of screen 8'
6						
7						
8						
9						Boring fill: Well Sand
10					Moist brown, fine to medium sand	Screen 1.25" Sc 40 PVC 0.010" slot
11						
12						
13					Wet, light brown silt and fine sand	
14						
15						Bottom of Hole 18'
16					Brown silt and fine sand	
17						
18						



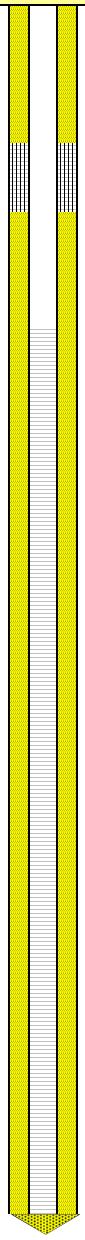
BORING LOG & OBSERVATION WELL REPORT

Project: Kansas Street
Location: 2 Kansas Street, Worcester, MA
Contractor: Hydro_Tech
Inspector: Kevin Doherty
Drilling Method: Hollow Stem Auger

Well: Knoll-24

Weather: Sunny, 40^0
Date Begun: December 14, 2006
Date Ended: December 14, 2006

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile	Well Construction
1–18					Medium to fine black sand, some fine to medium gravel Fill: Plastic, glass, porcelin and metal piece	6" roadbox Bentonite seal Depth to top of screen 8' Boring fill: Well Sand Screen 1.25" Sc 40 PVC 0.010" slot Bottom of Hole 18'
					Moist brown, fine to medium sand	
					Wet, light brown silt and fine sand	
					Brown silt and fine sand	

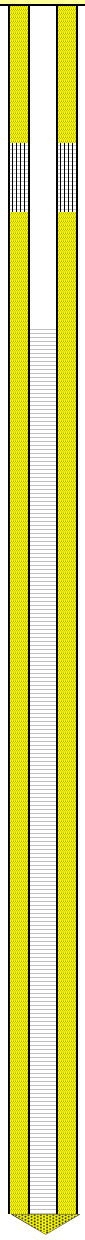


BORING LOG & OBSERVATION WELL REPORT

Project: Kansas Street
Location: 2 Kansas Street, Worcester, MA
Contractor: Hydro_Tech
Inspector: Kevin Doherty
Drilling Method: Hollow Stem Auger

Well: Knoll-25
Weather: Sunny, 40^0
Date Begun: December 14, 2006
Date Ended: December 14, 2006

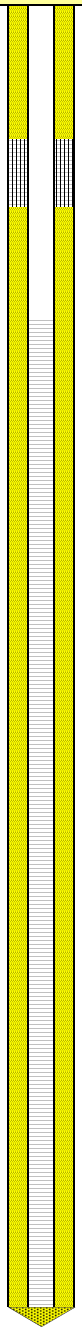
Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile	Well Construction
1					4" Asphalt	6" roadbox
2						
3						Bentonite seal
4						
5					Medium to fine to medium black sand, some fine to medium gravel Fill: glass and metal pieces	Depth to top of screen 8'
6						
7						
8						
9						Boring fill: Well Sand
10					Moist brown, fine to medium sand	
11						Screen 1.25" Sc 40 PVC 0.010" slot
12						
13					Wet, light brown silt and fine sand	
14						
15						Bottom of Hole 18'
16					Brown silt and fine sand	
17						
18						



BORING LOG & OBSERVATION WELL REPORT

Project: Kansas Street
Location: 2 Kansas Street, Worcester, MA — **Well: Knoll-26**
Contractor: Technical Drilling Services
Inspector: Kevin Doherty — **Weather: Sunny, Mid 60's**
Driller: Sean Comeau — **Date Begun: September 7, 2010**
Drilling Method: Hollow Stem Auger — **Date Ended: September 7, 2010**

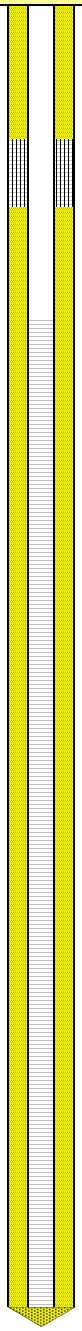
Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile	Well Construction
1–3					Black medium sand and some fine to medium gravel debris: wood, glass, metal, brick, concrete	Bentonite seal
4					Black medium to fine sand some fine gravel	
5–9					Brown fine to medium sand	Depth to top of screen 5' Boring Diameter: 2.5" Boring fill: Jesse Morie gravel #1
10–13					Moist black medium sand some fine to coarse gravel	Screen 1.25" Sc 40 PVC 0.010" slot
14–19					Wet fine to very fine grey/ brown sand	Bottom of Hole 20"
20						



BORING LOG & OBSERVATION WELL REPORT

Project: Kansas Street
Location: 2 Kansas Street, Worcester, MA — **Well: Knoll-27**
Contractor: Technical Drilling Services
Inspector: Kevin Doherty — **Weather: Sunny, Mid 60's**
Driller: Sean Comeau — **Date Begun: September 7, 2010**
Drilling Method: Hollow Stem Auger — **Date Ended: September 7, 2010**

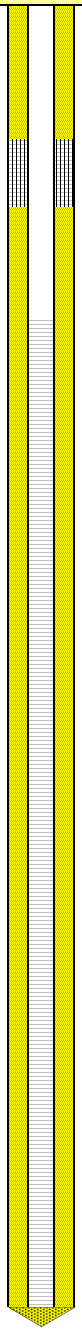
Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile	Well Construction
1–3					Black medium sand and some fine to medium gravel debris: wood, glass, metal, brick, concrete	Bentonite seal
4					Black medium to fine sand some fine gravel	
5–9					Brown fine to medium sand	Depth to top of screen 5' Boring Diameter: 2.5" Boring fill: Jesse Morie gravel #1
10–13					Moist black medium sand some fine to coarse gravel	Screen 1.25" Sc 40 PVC 0.010" slot
14–19					Wet fine to very fine grey/ brown sand	Bottom of Hole 20"
20						



BORING LOG & OBSERVATION WELL REPORT

Project: Kansas Street
Location: 2 Kansas Street, Worcester, MA — **Well: Knoll-28**
Contractor: Technical Drilling Services
Inspector: Kevin Doherty — **Weather: Sunny, Mid 60's**
Driller: Sean Comeau — **Date Begun: September 7, 2010**
Drilling Method: Hollow Stem Auger — **Date Ended: September 7, 2010**

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile	Well Construction
1–3					Black medium sand and some fine to medium gravel debris: wood, glass, metal, brick, concrete	Bentonite seal
4					Black medium to fine sand some fine gravel	
5–9					Brown fine to medium sand	Depth to top of screen 5' Boring Diameter: 2.5" Boring fill: Jesse Morie gravel #1
10–13					Moist brown medium sand some fine to coarse gravel	Screen 1.25" Sc 40 PVC 0.010" slot
14–19					Wet fine to very fine grey/ brown sand	Bottom of Hole 20"
20						



BORING LOG & OBSERVATION WELL REPORT

Project: Kansas Street
Location: 2 Kansas Street, Worcester, MA — **Well: Knoll-29**
Contractor: TDS
Inspector: Kevin Doherty — **Weather: Sunny, 65**
Driller: Sean Comeau — **Date Begun: September 7, 2010**
Drilling Method: Hollow Stem Auger — **Date Ended: September 7, 2010**

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile	Well Construction
2					Dark brown organic layer	2' Stick up
4					Dark brown fine sand	
6					Light brown and medium to coarse gravel	Bentonite seal
8						
10					Moist, light gray to gray layers of fine sand	Depth to top of screen 5'
12						
14					Wet, light gray silty fine sand	
16					Dark gray silt	
18						Boring fill: Well sand
20					Light brown silt	Screen 2" Sc 40 PVC 0.010" slot
22						
24					Gray silt	
26						
28					Brown and gray silt layers	
30						
32						
34					Light Brown silt	
36						
38						
40						
42					Brown silt	
44						Bottom of Boring: 45'
46					rock at 45'	

BORING LOG & OBSERVATION WELL REPORT

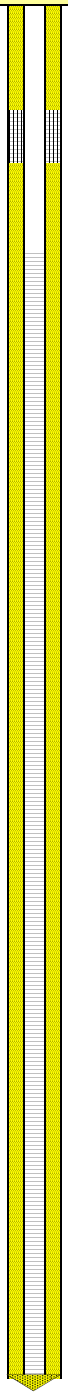
Project: Kansas Street
Location: 2 Kansas Street, Worcester, MA — **Well: Knoll-30**
Contractor: TDS
Inspector: Kevin Doherty — **Weather: Sunny, 65**
Driller: Sean Comeau — **Date Begun: September 7, 2010**
Drilling Method: Hollow Stem Auger — **Date Ended: September 7, 2010**

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile	Well Construction
2					Dark brown organic layer	2' Stick up
4					Dark brown fine sand	
6					Light brown and medium to coarse gravel	Bentonite seal
8						
10					Moist, light gray to gray layers of fine sand	Depth to top of screen 5'
12						
14					Wet, light gray silty fine sand	
16					Dark gray silt	
18						Boring fill: Well sand
20					Light brown silt	Screen 2" Sc 40 PVC 0.010" slot
22						
24					Gray silt	
26						
28					Brown and gray silt layers	
30						
32						
34					Light Brown silt	
36						
38						
40						
42					Brown silt	
44						Bottom of Boring: 45'
46					rock at 45'	

BORING LOG & OBSERVATION WELL REPORT

Project: Kansas Street
Location: 2 Kansas Street, Worcester, MA — **Well: Knoll-31**
Contractor: TDS
Inspector: Kevin Doherty — **Weather: Sunny, 65**
Driller: Sean Comeau — **Date Begun: September 7, 2010**
Drilling Method: Hollow Stem Auger/Casing — **Date Ended: September 7, 2010**

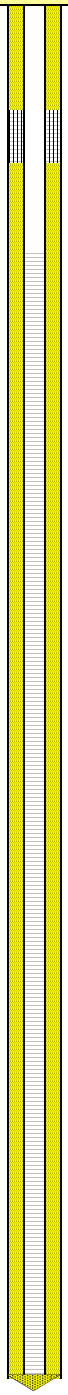
Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile	Well Construction
2					Dark brown sand medium to coarse gravel	2' Stick up
4						
6					Light Brown to Dark Brown sand and silt	Bentonite seal
8						
10					Light brown silt, occasional thin sand layers	Depth to top of screen 8'
12						
14					Light brown silt	
16						
18					Wet, brown silt	Boring fill: Well sand
20						Screen 2" Sc 40 PVC 0.010" slot
22						
24						
26						
28					Light Brown Silt	
30						
32						
34						
36						
38						
40						
42						
44						
46						
48					Rock at-52'	
50						
51						Bottom of Boring: 52'
52						



BORING LOG & OBSERVATION WELL REPORT

Project: Kansas Street
Location: 2 Kansas Street, Worcester, MA — **Well: Knoll-32**
Contractor: TDS
Inspector: Kevin Doherty — **Weather: Sunny, 65**
Driller: Sean Comeau — **Date Begun: September 8, 2010**
Drilling Method: Hollow Stem Auger/Casing — **Date Ended: September 8, 2010**

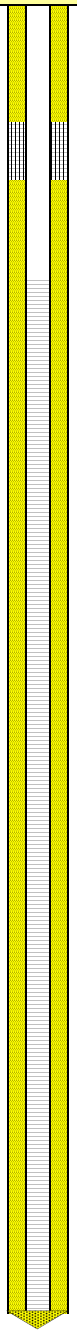
Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile	Well Construction
2					Dark brown sand medium to coarse gravel	2' Stick up
4						
6					Light Brown to Dark Brown sand and silt	Bentonite seal
8						
10					Light brown silt, occasional thin sand layers	Depth to top of screen 8'
12						
14					Light brown silt	
16						
18					Wet, brown silt	Boring fill: Well sand
20						Screen 2" Sc 40 PVC 0.010" slot
22						
24						
26						
28						
30					Light Brown Silt	
32						
34						
36						
38						
40						
42						
44						
46						
48					Rock at-52'	
50						
51						Bottom of Boring: 52'
52						



BORING LOG & OBSERVATION WELL REPORT

Project: Kansas Street
Location: 2 Kansas Street, Worcester, MA — **Well: Knoll-33**
Contractor: TDS
Inspector: Kevin Doherty — **Weather: Sunny, 60s**
Driller: Sean Comeau — **Date Begun: September 8, 2010**
Drilling Method: Hollow Stem Auger — **Date Ended: September 8, 2010**

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile	Well Construction
2					Dark brown organic layer	2' Stick up
4						
6					Light brown and medium to coarse gravel	Bentonite seal
8						
10					Moist, light gray to gray layers of fine sand	Depth to top of screen 5'
12						
14					Wet, light gray silty fine sand	
16					Dark gray silt	
18						Boring fill: Well sand
20					Light brown silt	Screen 2" Sc 40 PVC 0.010" slot
22						
24					Thin layers of fine sand and light brown silt	
26						
28					Brown and gray silt layers	
30						
32						
34					Light Brown silt	
36						
38						
40						
42					Brown silt	
44						Bottom of Boring: 45'
46					rock at 45'	



BORING LOG & OBSERVATION WELL REPORT

Project: Kansas Street
Location: 2 Kansas Street, Worcester, MA — **Well: Knoll-33**
Contractor: TDS
Inspector: Kevin Doherty — **Weather: Sunny, 60s**
Driller: Sean Comeau — **Date Begun: September 9, 2010**
Drilling Method: Hollow Stem Auger — **Date Ended: September 9, 2010**

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile	Well Construction
2					Dark brown organic layer	2' Stick up
4						
6					Light brown and medium to coarse gravel	Bentonite seal
8						
10					Moist, light gray to gray layers of fine sand	Depth to top of screen 5'
12						
14					Wet, light gray silty fine sand	
16					Dark gray silt	
18						Boring fill: Well sand
20					Light brown silt	Screen 2" Sc 40 PVC 0.010" slot
22						
24					Dark brown thin silt layers	
26						
28					Brown to light brown silt layers	
30						
32						
34					Light Brown silt	
36						
38						
40						
42					Brown silt	
44						Bottom of Boring: 45'
46					rock at 45'	

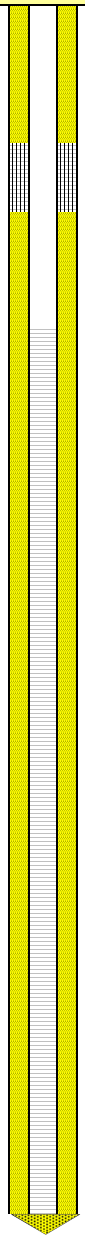
BORING LOG & OBSERVATION WELL REPORT

Project: Kansas Street
Location: 2 Kansas Street, Worcester, MA
Contractor: TDS
Inspector: Kevin Doherty
Drilling Method: Hollow Stem Auger

Well: Knoll-35

Weather: Sunny, Mid 60's
Date Begun: September 9, 2010
Date Ended: September 9, 2010

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile	Well Construction
1					4" Asphalt	6" roadbox
2					Black fine to medium sand medium to coarse gravel	
3						Bentonite seal
4						
5					Light brown fine sand fine sand some fine gravel	
6						Depth to top of screen 8'
7					Fill: processed gravel, fine sand fine to medium gravel	
8						
9						Boring fill: Well Sand
10						
11					Moist light brown silt some fine sand	Screen 1.25" Sc 40 PVC 0.010" slot
12						
13						
14						
15						
16					Light brown silt	Bottom of Hole 18'
17						
18						



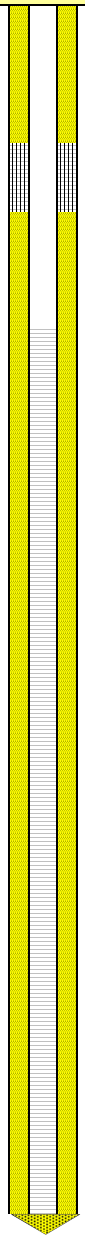
BORING LOG & OBSERVATION WELL REPORT

Project: Kansas Street
Location: 2 Kansas Street, Worcester, MA
Contractor: TDS
Inspector: Kevin Doherty
Drilling Method: Hollow Stem Auger

Well: Knoll-36

Weather: Sunny, Mid 60's
Date Begun: September 9, 2010
Date Ended: September 9, 2010

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile	Well Construction
1–5					Dark brown to black fine sand fine to medium gravel	6" roadbox Bentonite seal
5–8					Dark brown fine sand, occasional c. sand to fine gravel	Depth to top of screen 8'
8–10					Black fine sand medium to coarse gravel	Boring fill: Well Sand
10–14					Grey to light brown silt some fine sand	Screen 1.25" Sc 40 PVC 0.010" slot
14–18					Wet light brown silt	Bottom of Hole 18'



BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor: Knoll Environmental, Inc.
Driller: HydroTech
Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B- 64
Well: NA
Digsafe: 20052505594
Weather: Sunny, 80s
Date Begun: June 21, 2005
Date Ended: June 21, 2005

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1					(0-30") Black alternating sand layers (30-48") Light brown sand
2					
3					
4					
5					Light gray silt changes to light brown with depth
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					Bottom of boring

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor: Knoll Environmental, Inc.
Driller: HydroTech
Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B- 65
Well: NA
Digsafe: 20052505594
Weather: Sunny, 80s
Date Begun: June 21, 2005
Date Ended: June 21, 2005

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1					Fill: (0-26") Black layers alternating with light brown sand (26-52") three 2-3" thick layers of black (52-72') Coarse gravel and sand, clean
2					
3					
4					
5					
6					
7					Light grey silt turns brown with depth
8					
9					
10					
11					
12					
13					
14					
15					
16					Bottom of boring

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor: Knoll Environmental, Inc.
Driller: HydroTech
Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B- 66
Well: NA
Digsafe: 20052505594
Weather: Sunny, 80s
Date Begun: June 21, 2005
Date Ended: June 21, 2005

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1					Medium black sand
2					Crushed blue glass
3					6" Foundation
4					Light gray silt
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					Bottom of boring

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor: Knoll Environmental, Inc.
Driller: HydroTech
Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B- 67
Well: NA
Digsafe: 20052505594
Weather: Sunny, 80s
Date Begun: June 21, 2005
Date Ended: June 21, 2005

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1					Fill: Coarse gravel and sand
2					
3					
4					
5					
6					light brown to dark brown silt
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					Bottom of boring

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor: Knoll Environmental, Inc.
Driller: HydroTech
Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B- 68
Well: NA
Digsafe: 20052505594
Weather: Sunny, 80s
Date Begun: June 21, 2005
Date Ended: June 21, 2005

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1–7					Fill: Black coarse gravel and sand Debris: metal and glass
7–16					Finely layered silt deposits
16					Bottom of boring

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor: Knoll Environmental, Inc.
Driller: HydroTech
Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B- 69
Well: NA
Digsafe: 20052505594
Weather: Sunny, 80s
Date Begun: June 21, 2005
Date Ended: June 21, 2005

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1					Fill: (0-2') debris: glass and wood, dark brown to black sand (2-7') Light brown fine sand
2					
3					
4					
5					
6					
7					Light brown silt
8					
9					
10					
11					
12					
13					
14					
15					
16					Bottom of boring

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor: Knoll Environmental, Inc.
Driller: HydroTech
Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-70
Well: NA
Digsafe: 20052505594
Weather: Sunny, 80s
Date Begun: June 21, 2005
Date Ended: June 21, 2005

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1					Fill: (0-4') dark brown to black coarse sand (4-6') brown coarse gravel and sand
2					
3					
4					
5					
6					Light brown silt
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					Bottom of boring

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor: Knoll Environmental, Inc.
Driller: HydroTech
Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-71
Well: NA
Digsafe: 20052505594
Weather: Sunny, 80s
Date Begun: June 22, 2005
Date Ended: June 22, 2005

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1					Fill: dark brown to black coarse sand and gravel
2					
3					
4					
5					Orange coarse sand and gravel
6					Oxidized layers of silt
7					
8					
9					
10					
11					
12					Light brown silt
13					
14					
15					Bottom of boring
16					

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor: Knoll Environmental, Inc.
Driller: HydroTech
Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-72
Well: NA
Digsafe: 20052505594
Weather: Sunny, 80s
Date Begun: June 22, 2005
Date Ended: June 22, 2005

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1					Fill: Black layers with coarse gravel and sand
2					
3					
4					
5					
6					Oxidized, alternating silt layer
7					
8					
9					Brown silt
10					
11					
12					
13					
14					
15					
16					Bottom of boring

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor: Knoll Environmental, Inc.
Driller: HydroTech
Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-73
Well: NA
Digsafe: 20052505594
Weather: Sunny, 80s
Date Begun: June 22, 2005
Date Ended: June 22, 2005

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1					Fill: Black layers with coarse gravel and sand
2					
3					
4					
5					
6					Oxidized, alternating silt layer
7					
8					
9					Brown silt
10					
11					
12					
13					
14					
15					Bottom of boring
16					

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor: Knoll Environmental, Inc.
Driller: HydroTech
Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-74
Well: NA
Digsafe: 20052505594
Weather: Sunny, 80s
Date Begun: June 22, 2005
Date Ended: June 22, 2005

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1					Fill: Black layers with coarse gravel and sand
2					
3					
4					
5					
6					
7					
8					
9					Gray silt with some oxidized layers
10					
11					
12					
13					
14					
15					
16					Bottom of boring

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor: Knoll Environmental, Inc.
Driller: HydroTech
Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-75
Well: NA
Digsafe: 20052505594
Weather: Sunny, 80s
Date Begun: June 22, 2005
Date Ended: June 22, 2005

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1					Fill: Black layers with coarse gravel and sand
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					Bottom of boring

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor: Knoll Environmental, Inc.
Driller: HydroTech
Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-76
Well: NA
Digsafe: 20052505594
Weather: Sunny, 80s
Date Begun: June 22, 2005
Date Ended: June 22, 2005

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1					Fill: (0-1') Clean sand, black layers at 5-8"
2					(1-2') Black layer
3					(2-4') Green silt, crushed rock
4					(4-4.5') Black layer
5					(4.5-8') Clean coarse gravel and sand
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					Bottom of boring

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor: Knoll Environmental, Inc.
Driller: HydroTech
Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-77
Well: NA
Digsafe: 20052505594
Weather: Sunny, 80s
Date Begun: June 22, 2005
Date Ended: June 22, 2005

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1					Fill: (0-4') Orange, black and brown sand layers (4-6') Clean brown fine sand (6-8') Coarse gravel, fine to coarse sand (8-9') Black sand layer (9-10') Fine to coarse sand
2					
3					
4					
5					
6					
7					
8					
9					
10					Gray silt
11					Fine to medium sand
12					Gray silt
13					
14					
15					Bottom of boring
16					

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor: Knoll Environmental, Inc.
Driller: HydroTech
Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-78
Well: NA
Digsafe: 20052505594
Weather: Sunny, 80s
Date Begun: June 22, 2005
Date Ended: June 22, 2005

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1					Fill: Black layers with coarse gravel and sand
2					
3					
4					6" concrete foundation
5					Fill: (4-6') Clean brown fine sand (6-8') Coarse gravel, fine to coarse sand (8-9') Black sand layer (9-10') Fine to coarse sand
6					
7					
8					
9					
10					Gray silt
11					Fine to medium sand
12					Gray silt
13					
14					
15					Bottom of boring
16					

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor: Knoll Environmental, Inc.
Driller: HydroTech
Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-79
Well: NA
Digsafe: 20052505594
Weather: Sunny, 80s
Date Begun: June 22, 2005
Date Ended: June 22, 2005

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1					Fill: Black layers with coarse gravel and sand
2					
3					Light brown sand
4					
5					
6					
7					Coarse gravel, fine to coarse sand
8					
9					
10					
11					
12					
13					Brown silt
14					
15					
16					Bottom of boring

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor: Knoll Environmental, Inc.
Driller: HydroTech
Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-80
Well: NA
Digsafe: 20052505594
Weather: Sunny, 80s
Date Begun: June 22, 2005
Date Ended: June 22, 2005

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1					Fill: Black layers with coarse gravel and sand
2					
3					Light brown sand
4					
5					
6					
7					Coarse gravel, fine to coarse sand
8					
9					
10					
11					
12					
13					Brown silt
14					
15					
16					Bottom of boring

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor: Knoll Environmental, Inc.
Driller: HydroTech
Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-81
Well: NA
Digsafe: 20052505594
Weather: Sunny, 80s
Date Begun: June 27, 2005
Date Ended: June 27, 2005

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1					Asphalt
2					Fill: (.5- 4') Black fine to medium sand (4-6') Green dense silt (6-8') Fine to coarse sand, occasional gravel (8-10') Fine to medium sand
3					
4					
5					
6					
7					
8					
9					
10					Brown silt
11					
12					
13					
14					
15					Bottom of boring
16					

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor: Knoll Environmental, Inc.
Driller: HydroTech
Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-82
Well: NA
Digsafe: 20052505594
Weather: Sunny, 80s
Date Begun: June 27, 2005
Date Ended: June 27, 2005

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1					Asphalt
2					Fill: (.5- 4') Black fine to medium sand (4-6') Green dense silt (6-8') Fine to coarse sand, occasional gravel (8-10') Fine to medium sand
3					
4					
5					
6					
7					
8					
9					
10					Brown silt
11					
12					
13					
14					
15					Bottom of boring
16					

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor: Knoll Environmental, Inc.
Driller: HydroTech
Inspector: K. Doherty
Drilling Method: Hollow Stem Auger

Boring: B-83
Well: NA
Digsafe: 20052505594
Weather: Sunny, 80s
Date Begun: June 27, 2005
Date Ended: June 27, 2005

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
					8" concrete pad
1					Black silt
2					
3					Gray to green silt
4					
5					Bottom of boring 5'
6					
7					
8					
9					

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor: Knoll Environmental, Inc.
Driller: HydroTech
Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-84
Well: NA
Digsafe: 20052505594
Weather: Sunny, 80s
Date Begun: June 27, 2005
Date Ended: June 27, 2005

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1					Asphalt
2					Fill: (.5- 1') Dark brown to black sand (1-4') Green/ gray silt, coarse gravel (4-5') Black silt (5-10') Brown silt, occasional coarse sand and gravel
3					
4					
5					
6					
7					
8					
9					
10					
11					Fine to coarse gravel and sand
12					
13					Brown silt
14					
15					
16					Bottom of boring

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor: Knoll Environmental, Inc.
Driller: HydroTech
Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-85
Well: NA
Digsafe: 20052505594
Weather: Sunny, 80s
Date Begun: June 27, 2005
Date Ended: June 27, 2005

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1					Asphalt
2					Fill: (.5- 1') Dark brown to black sand (1-4') Green/ gray silt, coarse gravel (4-5') Dark brown to black organic horizon (5-10') Brown silt, occasional coarse sand and gravel
3					
4					
5					
6					
7					
8					
9					
10					
11					Fine to coarse gravel and sand
12					
13					Brown silt
14					
15					
16					Bottom of boring

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor: Knoll Environmental, Inc.
Driller: HydroTech
Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-86
Well: NA
Digsafe: 20052505594
Weather: Sunny, 80s
Date Begun: June 27, 2005
Date Ended: June 27, 2005

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1					Soil horizon
1					White ash
2					Black to brown silt
5					Fine to coarse gravel and sand
12					Botton of boring: 12'
16					

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor: Knoll Environmental, Inc.
Driller: HydroTech
Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-87
Well: NA
Digsafe: 20052505594
Weather: Sunny, 80s
Date Begun: June 27, 2005
Date Ended: June 27, 2005

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1					Soil horizon
					White ash
2					Black silt
3					
4					
5					
6					Brown organic silt horizon pieces of roots
7					Light brown silt
8					
9					
10					
11					
12					
13					
14					Oxidized silt, fine to coarse gravel
15					
16					Bottom of boring: 16'

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor: Knoll Environmental, Inc.
Driller: HydroTech
Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-88
Well: NA
Digsafe: 20052505594
Weather: Sunny, 80s
Date Begun: June 27, 2005
Date Ended: June 27, 2005

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1					Soil horizon
					White ash
2					Black silt
3					
4					
5					
6					Brown organic silt horizon pieces of roots
7					Light brown silt
8					
9					
10					
11					
12					
13					
14					Oxidized silt, fine to coarse gravel
15					
16					Bottom of boring: 16'

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor: Knoll Environmental, Inc.
Driller: HydroTech
Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-89
Well: NA
Digsafe: 20052505594
Weather: Sunny, 80s
Date Begun: June 27, 2005
Date Ended: June 27, 2005

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1					Fill: Medium brown sand and Fine to medium gravel
2					
3					
4					
5					
6					
7					
8					Gray silt
9					
10					
11					
12					
13					
14					
15					
16					Bottom of boring: 16'

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor:TDS, Inc.

Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-90
Well: NA
Digsafe: 20052505594
Weather: Sunny, 80s
Date Begun: July 21, 2005
Date Ended: July 21, 2005

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1					Concrete floor
2					Brown medium sand
3					3 attempts: refusal art 2.5'
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor:TDS, Inc.

Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-91
Well: NA
Digsafe: 20052505594
Weather: Sunny, 80s
Date Begun: July 21, 2005
Date Ended: July 21, 2005

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
					Concrete floor
1 2 3 4 5					Fill: Dark brown fine to medium sand fine to coarse gravel
6 7 8					Fill: Dark brown fine silty sand fine gravel pieces of wood
9 10					Fill: Dark brown silt debris: black grains, ash and glass
11 12 13 14 15					Light brown to brown coarse sand medium t ocoarse gravel wet at 12'
16					Bottom of boring 15'

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor:TDS, Inc.

Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-92
Well: NA
Digsafe: 20052505594
Weather: Sunny, 80s
Date Begun: July 21, 2005
Date Ended: July 21, 2005

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
					Concrete floor
1 2 3 4 5					Fill: Dark brown fine to medium sand fine to coarse gravel
6 7 8					Fill: Dark brown fine silty sand fine gravel pieces of wood
9 10					Fill: Dark brown silt debris: black grains, ash and glass
11 12 13 14 15					Light brown to brown coarse sand medium t ocoarse gravel wet at 12'
16					Bottom of boring 15'

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor:TDS, Inc.

Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-93
Well: NA
Digsafe: 20052505594
Weather: Sunny, 80s
Date Begun: July 21, 2005
Date Ended: July 21, 2005

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
					Concrete floor
1 2 3 4 5					Fill: Grey medium sand medium to coarse gravel
6					Light brown fine sand
7					Light brown fine sand layers of kelly green sand
8 9					Orange/ brown coarse sand and gravel
10 11 12					Light brown silt wet at 12'
13					Grey medium to coarse sand
14 15					Grey silt
16					Bottom of boring 15'

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor:TDS, Inc.

Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-94
Well: NA
Digsafe: 20052505594
Weather: Sunny, 80s
Date Begun: July 21, 2005
Date Ended: July 21, 2005

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
					Concrete floor
1 2 3					Dark brown to black fine sand brick and some fine gravel
4 5 6 7					Light brown silt some fine gravel
8					Black fine sand
9					Light brown silt
10					Dark brown to brown silt
11 12 13					Brown medium sand and gravel
14 15					Orange coarse sand coarse gravel
16					Bottom of boring 15'

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor:Hydro-Tech, Inc.

Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-95
Well: NA

Weather: Sunny, 20^0
Date Begun: January 13, 2006
Date Ended: January 13, 2006

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1					Dark brown to black silt some fine gravel
2					Refusal at 2' (concrete?)
3					
4					
5					
6					
7					

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor:Hydro-Tech, Inc.

Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-96
Well: NA

Weather: Sunny, 20^0
Date Begun: January 13, 2006
Date Ended: January 13, 2006

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1					Dark brown to black silt some fine gravel
2					Refusal at 2' (concrete?)
3					
4					
5					
6					
7					

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor:Hydro-Tech, Inc.

Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-97
Well: NA

Weather: Sunny, 20^0
Date Begun: January 13, 2006
Date Ended: January 13, 2006

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1					Dark brown to black silt some fine gravel
2					Refusal at 2' (concrete?)
3					
4					
5					
6					
7					

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor:Hydro-Tech, Inc.

Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-98
Well: NA

Weather: Sunny, 20^0
Date Begun: January 13, 2006
Date Ended: January 13, 2006

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1					Dark brown to black silt some fine gravel
2					Refusal at 2' (concrete?)
3					
4					
5					
6					
7					

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor:Hydro-Tech, Inc.

Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-99
Well: NA

Weather: Sunny, 20^0
Date Begun: January 13, 2006
Date Ended: January 13, 2006

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1					Dark brown to black silt some fine gravel
2					Refusal at 2' (concrete?)
3					
4					
5					
6					
7					

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor:Hydro-Tech, Inc.

Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-99 (A)
Well: NA

Weather: Sunny, 45^0
Date Begun: March 28, 2006
Date Ended: March 28, 2006

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1					Medium to coarse gravel in a very fine sand/ silt matrix
2					Black very fine sandy silt, trace slag Refusal at 2' (concrete?)
3					
4					
5					
6					
7					

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor:Hydro-Tech, Inc.

Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-99 (B)
Well: NA

Weather: Sunny, 45^0
Date Begun: March 28, 2006
Date Ended: March 28, 2006

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1					Medium to coarse gravel in a very fine sand/ silt matrix
2					Black very fine sandy silt, trace slag Refusal at 2' (concrete?)
3					
4					
5					
6					
7					

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor:Hydro-Tech, Inc.

Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-99 (C)
Well: NA

Weather: Sunny, 45^0
Date Begun: March 28, 2006
Date Ended: March 28, 2006

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1					Medium to coarse gravel in a very fine sand/ silt matrix
2					Brown Medium to fine sand , little coarse sand and fine gravel Refusal at 2' (concrete?)
3					
4					
5					
6					
7					

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor: Hydro-Tech, Inc.

Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-93
Well: NA

Weather: Sunny, 45^0
Date Begun: March 28, 2006
Date Ended: March 28, 2006

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1					0-2":Brown very fine sand, some fine to coarse gravel 2-4": Black slag, very fine sand
2					Light brown to brown medium to fine sand fine to coarse gravel
3					
4					
5					Refusal at 5'

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor:Hydro-Tech, Inc.

Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-102
Well: NA

Weather: Sunny, 45^0
Date Begun: March 28, 2006
Date Ended: March 28, 2006

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1					Brown very fine sand and silt Occasional fine to medium gravel, trace slag
2					Black very fine sand and silt trace slag and white ash
3					Clean brown fine to medium sand Occasional fine to coarse gravel
4					Clean brown to orange brown fine to medium sand occasional fine to coarse gravel
5					
6					
7					7' bottom of boring

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor:Hydro-Tech, Inc.

Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-103
Well: NA

Weather: Sunny, 45^0
Date Begun: March 28, 2006
Date Ended: March 28, 2006

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1					0-6: Iron slag 6-12": Brown to black very fine silt
2					Brown to greenish brown fine sand and silt Fine to coarse gravel
3					Ash, brick and fine gravel
4					Light brown very fine sand little medium to coarse sand
5					Dark brown moist, organic trace slag material
6					7' bottom of boring
7					

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor:Hydro-Tech, Inc.

Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-104
Well: NA

Weather: Sunny, 45^0
Date Begun: March 28, 2006
Date Ended: March 28, 2006

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1					0-4": fine to coarse sand fine to medium gravel
2					
3					Iron slag
4					
5					
6					
7					7' bottom of boring

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor: Hydro-Tech, Inc.

Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-105
Well: NA

Weather: Sunny, 80s
Date Begun: July 9, 2006
Date Ended: July 9, 2006

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1 2 3 4 5					Fill: Dark brown fine to medium sand fine to coarse gravel
6 7 8					Fill: Dark brown fine silty sand fine gravel pieces of wood
9					Fill: Dark brown silt debris: black grains, ash and glass
10 11 12					Light brown to brown coarse sand medium to coarse gravel Bottom of boring 12'

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor: Hydro-Tech, Inc.

Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-105
Well: NA

Weather: Sunny, 80s
Date Begun: July 9, 2006
Date Ended: July 9, 2006

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1					Fill: Dark brown fine to medium sand fine to coarse gravel
2					
3					
4					
5					Fill: Dark brown fine silty sand fine gravel pieces of wood
6					
7					
8					Fill: Dark brown silt debris: black grains, ash and glass
9					
10					Light brown to brown coarse sand
11					
12					Bottom of boring 12'

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor: Hydro-Tech, Inc.

Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-107
Well: NA

Weather: Sunny, 80s
Date Begun: July 9, 2006
Date Ended: July 9, 2006

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
1					Fill: Dark brown fine to medium sand fine to coarse gravel
2					
3					
4					
5					Light brown to brown coarse sand medium to coarse gravel
6					
7					
8					
9					
10					
11					
12					Bottom of boring 12'

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor: Knoll Environmental, Inc.
Driller: HydroTech
Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-108
Well: NA
Weather: Sunny, 40s
Date Begun: December 22, 2006
Date Ended: December 22, 2006

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
					Asphalt
1					Dark brown fine to medium sand and gravel
2					Black fine to medium sand and gravel
3					
4					Grey fine sand and silt
5					Black silt
6					
7					Light brown fine sand and silt
8					Bottom of boring 8'

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor: Knoll Environmental, Inc.
Driller: HydroTech
Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-109
Well: NA
Weather: Sunny, 40s
Date Begun: December 22, 2006
Date Ended: December 22, 2006

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
					Asphalt
1					Dark brown fine to medium sand and gravel
2					Black fine to medium sand and gravel
3					
4					Grey fine sand and silt
5					Black silt
6					
7					Light brown fine sand and silt
8					Bottom of boring 8'

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor: Knoll Environmental, Inc.
Driller: HydroTech
Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-110
Well: NA
Weather: Sunny, 40s
Date Begun: December 22, 2006
Date Ended: December 22, 2006

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
					Asphalt
1					Dark brown fine to medium to coarse sand and gravel
2					Black fine to medium sand and gravel
3					
4					Grey fine sand and silt
5					
6					Brown fine sand
7					
8					Bottom of boring 8'

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor: Knoll Environmental, Inc.
Driller: HydroTech
Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-111
Well: NA
Weather: Sunny, 40s
Date Begun: December 22, 2006
Date Ended: December 22, 2006

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
0					Asphalt
1					Brown to black medium sand and gravel
2					
3					Light grey sand and silt, strong odor
4					
5					Black fine sand and silt
6					
7					
8					
9					
10					Brown fine sand and gravel
11					
12					Bottom of boring 12'

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor: Knoll Environmental, Inc.
Driller: HydroTech
Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-112
Well: NA
Weather: Sunny, 40s
Date Begun: December 22, 2006
Date Ended: December 22, 2006

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
					Asphalt
					Brown coarse sand and gravel
1					
2					Black fine sand and silt
3					
4					
5					Light brown fine sand
6					
7					Brown fine sand
					Bottom of boring 8'
8					

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor: Knoll Environmental, Inc.
Driller: HydroTech
Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-113
Well: NA
Weather: Sunny, 40s
Date Begun: December 22, 2006
Date Ended: December 22, 2006

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
					Asphalt
1					Dark brown fine to medium sand and gravel
2					Black fine to medium sand and gravel
3					
4					Grey fine sand and silt
5					Black silt
6					
7					Light brown fine sand and silt
8					Bottom of boring 8'

BORING LOG

Project: Kansas Street
Location: 2 Kansas Street
Contractor: Knoll Environmental, Inc.
Driller: HydroTech
Inspector: K. Doherty
Drilling Method: Direct-push (Geoprobe)

Boring: B-114
Well: NA
Weather: Sunny, 40s
Date Begun: December 22, 2006
Date Ended: December 22, 2006

Depth	Split Spoon Samples	# of 200 lbs Hammer Blows	P.I.D (ppm)	G.C.	Soil Profile
					Asphalt
1					Black fine sand and gravel
2					Black fine sand and gravel
3					Grey fine sand and silt
4					
5					Dark brwon fine sand and silt
6					
7					Grey fine sand and silt
8					Bottom of boring 8'

APPENDIX C

PHOTOGRAPHIC LOG (BORING B-71)

PHOTOGRAPHIC LOG

Project: Kansas Street	Boring: B-71
Location: 2 Kansan Street, Worcester, MA	
Contractor: Hydro-Tech Drilling	
Driller: Vincent Parodeau	Weather: Sunny, 70^{o}
Inspector: Kevin Doherty	Date Begun: June 21, 2005
Drilling Method: Geoprobe	Date Finished: June 21, 2005

Description	Depth	Soil Profile
Fill	0-5’	
Coarse gravel and sand	5-6’	

BORING LOG : Log B-71

Description	Depth	Soil Profile
Lenses of very fine silt and very fine sand, Alternate layer of oxidized zone	6-12’	

BORING LOG : Log B-71

Description	Depth	Soil Profile
Clean sand and silt	12-16’	

APPENDIX D

TABLES FROM WESTON & SAMPSON URAM REPORT

Table 1
PCB Soil Sampling Results
Behind Rome Building Products Property at 18 Sherman Street
DCR - Cambridge Street Relief Sewer Project, Worcester, MA. RTN 2-15319

Sample ID	Sample Depth (feet below ground surface)	12/13/2004 PCBs Aroclor 1254 (mg/kg)	3/31/2005 PCBs Aroclor 1254 (mg/kg)
BG-1	0 - 0.25	**0.414**	NA
BG-2	0 - 0.25	**0.382**	NA
BG-3	0 - 0.25	**12.0**	NA
BG-3	0.75 - 1.25	NA	**10.4**
BG-4	0 - 0.25	NA	**1.05**
BG-4	0.75 - 1.25	NA	<0.124
BG-5	0 - 0.25	NA	**9.42**
BG-5	0.75 - 1.25	NA	**0.826**
BG-6	0 - 0.25	NA	**25.2**
BG-6	0.75 - 1.25	NA	**13.3**
HA-1	0 - 0.25	NA	**1.11**
HA-1	0.75 - 1.25	NA	**1.23**
HA-2	0 - 0.25	NA	**22.3**
HA-3	0 - 0.25	NA	**6.72**
HA-3	0.75 - 1.25	NA	**0.162**
HA-4	0 - 0.25	NA	**0.640**
HA-4	0.75 - 1.25	NA	**0.955**
HA-5	0 - 0.25	NA	**3.80**
HA-5	0.75 - 1.25	NA	**7.89**
HA-6	0 - 0.25	NA	**20.2**
HA-6	0.75 - 1.25	NA	**1.06**
HA-7	0 - 0.25	NA	**1.98**
HA-7	0.75 - 1.25	NA	<0.122
HA-8	0 - 0.25	NA	**19.7**
HA-8	0.75 - 1.25	NA	<0.104
LSP-1	0 - 0.25	**0.375**	NA
LSP-2	0 - 0.25	**1.43**	NA
LSP-3	0 - 0.25	NA	**4.70**
LSP-3	0.75 - 1.25	NA	**1.23**
LSP-4	0 - 0.25	NA	**0.446**
LSP-4	0.75 - 1.25	NA	**0.487**
SSP-1	0 - 0.25	**38.3**	NA
SSP-1	0.75 - 1.25	NA	**1.14**
SSP-2	0 - 0.25	**17.5**	NA
SSP-2	0.75 - 1.25	NA	<0.124
MCP Method 1 S-1/GW-2 Standard		2	2
Upper Concentration Limit		100	100

O:\DCR MA\Worcester 200217\Tables\[Table 1 - URAM Stat 2.xls]T1

NOTES:

PCBs	Polychlorinated Biphenyls
mg/kg	milligrams per kilogram, or parts per million (ppm)
(-)	Indicates not applicable
<	below laboratory detection limit, shown
BOLD	detected above laboratory detection limit but below MCP reportable concentration
BOLD	detected above laboratory detection limit and **ABOVE** Method 1 Standard
BOLD	detected above laboratory detection limit and **ABOVE** UCL

Table 1A
Soil Sampling Results - Junction Chamber #1
DCR - Cambridge Street Relief Sewer Project, Worcester, MA, RTN 2-15319
June 25, 2004

Parameters	Sample ID		Method 1 Standard	
	DCR-WORC-1	Trip Blank	S-1/GW-2	UCL
RCRA 8 Metals, Total (mg/kg)				
Arsenic	17	NA	30	300
Barium	30	NA	1,000	10,000
Cadmium	0.53	NA	30	800
Chromium	14	NA	1,000	10,000
Lead	130	NA	300	6,000
Mercury	<0.09	NA	20	600
Selenium	<0.98	NA	400	10,000
Silver	<0.49	NA	100	2,000
VOCs by EPA Method 8260B/5035-Low (mg/kg)				
1,3-Dichlorobenzene	<0.0054	<0.005	100	5,000
1,4-Dichlorobenzene	<0.0054	<0.005	40	2,000
Tetrachloroethene	0.0016	<0.001	20	1,000
1,2,4-Trichlorobenzene	<0.0054	<0.005	400	10,000
1,1,1-Trichloroethane	<0.0011	<0.001	100	5,000
PCBs by EPA Method 8082 (mg/kg)				
Aroclor 1254	5.84	NA	2	5
VPH by MADEP Method (mg/kg)				
C_5 - C_8 Aliphatics	<2.20	<2.0	100	5,000
C_9 - C_{12} Aliphatics	<2.20	<2.0	1,000	20,000
C_9 - C_{10} Aromatics	<2.20	<2.0	100	5,000
Target VOCs by MADEP Method (mg/kg)				
Benzene	<0.110	<0.100	40	2,000
Toluene	<0.110	<0.100	500	10,000
Ethylbenzene	<0.110	<0.100	500	10,000
Xylenes (total)	<0.110	<0.100	500	10,000
Methyl tert butyl ether	<0.220	<0.200	100	5,000
Naphthalene	<1.10	<1.00	100	10,000
EPH by MADEP Method (mg/kg)				
C_9 - C_{18} Aliphatics	335	NA	1,000	20,000
C_{19} - C_{36} Aliphatics	474	NA	2,500	20,000
C_{11} - C_{22} Aromatics, Adjusted	582	NA	800	10,000
Target PAHs by MADEP Method (mg/kg)				
Naphthalene	<0.417	NA	100	10,000
2-Methylnaphthalene	0.925	NA	500	10,000
Acenaphthylene	<0.417	NA	100	10,000
Acenaphthene	0.441	NA	1,000	10,000
Fluorene	<0.417	NA	1,000	10,000
Phenanthrene	3.15	NA	1,000	10,000
Anthracene	0.557	NA	1,000	10,000
Fluoranthene	2.66	NA	1,000	10,000
Pyrene	2.49	NA	700	10,000
Benzo(a)anthracene	1.28	NA	0.7	100
Chrysene	1.52	NA	7	400
Benzo(b)fluoranthene	0.714	NA	0.7	100
Benzo(k)fluoranthene	0.844	NA	7	400
Benzo(a)pyrene	0.911	NA	0.7	100
Indeno(1,2,3-cd)pyrene	0.578	NA	0.7	100
Dibenzo(a,h)anthracene	<0.417	NA	0.7	100
Benzo(g,h,i)perylene	0.612	NA	1,000	10,000

NOTES:

VOCs	Volatile Organic Compounds
PCBs	Polychlorinated Biphenyls
VPH	Volatile Petroleum Hydrocarbons
EPH	Extractable Petroleum Hydrocarbons
PAHs	Polynuclear Aromatic Hydrocarbons
mg/kg	milligram per kilograms or parts per billion (ppm)
NA	Not Analyzed
<	below laboratory detection limit, shown
BOLD	detected above laboratory detection limit but below MCP standard
BOLD	detected above laboratory detection limit and ABOVE MCP standard
BOLD	detected above laboratory detection limit and ABOVE UCL

Table 1B
Groundwater Sampling Results - Junction Chamber #1
DCR - Cambridge Street Relief Sewer Project, Worcester, MA, RTN 2-15319
June 28, 2004

Parameters	Sample ID		Method 1 Standard		UCL
	DCR-WORC-1	Trip Blank	GW-2	GW-3	
VOCs by EPA Method 8260B/5035-Low (ug/l)					
Methyl tert butyl ether	1.6	<1.0	50,000	50,000	100,000
PCBs by EPA Method 8082 (ug/l)					
Aroclor 1254 *	**33.5**	NA	NS	0.3	5
VPH by MADEP Method (ug/l)					
C_5 - C_8 Aliphatics	<40.0	<40.0	1,000	4,000	100,000
C_9 - C_{12} Aliphatics	<40.0	<40.0	1,000	20,000	100,000
C_9 - C_{10} Aromatics	<40.0	<40.0	5,000	4,000	100,000
Target VOCs by MADEP Method (ug/l)					
Benzene	<2.00	<2.00	2,000	7,000	70,000
Toluene	<2.00	<2.00	6,000	50,000	100,000
Ethylbenzene	<2.00	<2.00	30,000	4,000	100,000
Xylenes (total)	<2.00	<2.00	6,000	50,000	100,000
Methyl tert butyl ether	<4.00	<4.00	50,000	50,000	100,000
Naphthalene	<20.0	<20.0	6,000	6,000	60,000
EPH by MADEP Method (ug/l)					
C_9 - C_{18} Aliphatics	<100	NA	1,000	20,000	100,000
C_{19} - C_{36} Aliphatics	**153**	NA	NS	20,000	100,000
C_{11} - C_{22} Aromatics, Adjusted	**145**	NA	50,000	30,000	100,000
Target PAHs by MADEP Method (ug/l)					
Naphthalene	<20.0	NA	6,000	6,000	60,000
2-Methylnaphthalene	<20.0	NA	10,000	3,000	100,000
Acenaphthylene	<20.0	NA	NS	3,000	30,000
Acenaphthene	<20.0	NA	NS	50,000	50,000
Fluorene	<20.0	NA	NS	3,000	30,000
Phenanthrene	<20.0	NA	NS	50	3,000
Anthracene	<20.0	NA	NS	3,000	30,000
Fluoranthene	<20.0	NA	NS	200	3,000
Pyrene	<20.0	NA	NS	3,000	30,000
Benzo(a)anthracene	<20.0	NA	NS	3,000	30,000
Chrysene	<20.0	NA	NS	3,000	30,000
Benzo(b)fluoranthene	<20.0	NA	NS	3,000	30,000
Benzo(k)fluoranthene	<20.0	NA	NS	3,000	30,000
Benzo(a)pyrene	<20.0	NA	NS	3,000	30,000
Indeno(1,2,3-cd)pyrene	<20.0	NA	NS	3,000	30,000
Dibenzo(a,h)anthracene	<20.0	NA	NS	3,000	30,000
Benzo(g,h,i)perylene	<20.0	NA	NS	3,000	30,000

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NOTES:

VOCs	Volatile Organic Compounds
PCBs	Polychlorinated Biphenyls
VPH	Volatile Petroleum Hydrocarbons
EPH	Extractable Petroleum Hydrocarbons
PAHs	Polynuclear Aromatic Hydrocarbons
ug/l	micrograms per liter
NA	Not Analyzed
NS	No Standard
*	Not filtered; sample was turbid (collected directly from the excavation).
<	below laboratory detection limit, shown
BOLD	detected above laboratory detection limit but below MCP standard
BOLD	detected above laboratory detection limit and **ABOVE** MCP standard
BOLD	detected above laboratory detection limit and **ABOVE** UCL

Table 2
Disposal Characterization Results, Excavated Soils - Junction Chamber #1
DCR - Cambridge Street Relief Sewer Project, Worcester, MA, RTN 2-15319
July 6, 2004

Parameters	Sample ID				Massachusetts Disposal Criteria (mg/kg) [1]	
	SOIL PILE 1	SOIL PILE 2	VOC COMP-1	COMP-1	Soil Recycling Facility Acceptance Level	Reuse Level at Lined Landfill
Disposal Characterization Parameters						
pH (standard units)	NA	NA	NA	8.0	2 to 12.5	2 to 12.5
Flashpoint (degrees Fahrenheit)	NA	NA	NA	>150	>140	>140
Cyanide, Reactive (mg/kg)	NA	NA	NA	non-reactive	non-reactive	non-reactive
Sulfide, Reactive (mg/kg)	NA	NA	NA	non-reactive	non-reactive	non-reactive
RCRA 8 Metals, Total (mg/kg)						
Arsenic	NA	NA	NA	23	30	40
Barium	NA	NA	NA	68	-	-
Cadmium	NA	NA	NA	1.6	11 to 30	80
Chromium	NA	NA	NA	19	500	1,000
Lead	NA	NA	NA	240	1,000	2,000
Mercury	NA	NA	NA	< 0.09	3 to 10	10
Selenium	NA	NA	NA	< 0.88	-	-
Silver	NA	NA	NA	< 0.44	-	-
TCLP Metals (mg/l)						
Arsenic	NA	NA	NA	< 1.0	< 5.0	< 5.0
Barium	NA	NA	NA	< 0.50	-	-
Cadmium	NA	NA	NA	< 0.10	< 1.0	< 1.0
Chromium	NA	NA	NA	< 0.20	< 5.0	< 5.0
Lead	NA	NA	NA	0.56	< 5.0	< 5.0
Mercury	NA	NA	NA	< 0.001	< 0.2	< 0.2
Selenium	NA	NA	NA	< 0.50	< 1.0	< 1.0
Silver	NA	NA	NA	< 0.10	< 5.0	< 5.0
PCBs by EPA Method 8082 (mg/kg)						
Aroclor 1254	34.6	260	NA	NA	< 2	< 2
VOCs by EPA Method 8260B (mg/kg)						
1,3-Dichlorobenzene	NA	NA	< 0.24	NA	-	-
1,4-Dichlorobenzene	NA	NA	0.4	NA	-	-
Tetrachloroethene	NA	NA	< 0.047	NA	-	-
1,2,4-Trichlorobenzene	NA	NA	0.49	NA	-	-
1,1,1-Trichloroethane	NA	NA	0.098	NA	-	-
Total VOCs	NA	NA	0.988	NA	30 to 1,800	10
SVOCs by MADEP Method 8270C (mg/kg)						
Naphthalene	NA	NA	NA	< 0.370	-	-
2-Methylnaphthalene	NA	NA	NA	< 0.600	-	-
Acenaphthylene	NA	NA	NA	< 0.370	-	-
Acenaphthene	NA	NA	NA	0.48	-	-
Fluorene	NA	NA	NA	0.45	-	-
Phenanthrene	NA	NA	NA	3.6	-	-
Anthracene	NA	NA	NA	0.95	-	-
Fluoranthene	NA	NA	NA	4.6	-	-
Pyrene	NA	NA	NA	4.1	-	-
Benzo(a)anthracene	NA	NA	NA	2.2	-	-
Chrysene	NA	NA	NA	2.1	-	-
Benzo(b)fluoranthene	NA	NA	NA	1.7	-	-
Benzo(k)fluoranthene	NA	NA	NA	1.5	-	-
Benzo(a)pyrene	NA	NA	NA	1.8	-	-
Indeno(1,2,3-cd)pyrene	NA	NA	NA	1.2	-	-
Dibenzo(a,h)anthracene	NA	NA	NA	0.4	-	-
Benzo(g,h,i)perylene	NA	NA	NA	1.3	-	-
Total PAHs	NA	NA	NA	26.38	-	100
Carbazole	NA	NA	NA	0.39	-	-
Benzo(e)pyrene	NA	NA	NA	1.3	-	-
Perylene	NA	NA	NA	0.47	-	-
Total Chlorinated Herbicides by EPA 8150 (mg/kg)	NA	NA	NA	< 0.19 to < 19	-	-
Total Organochlorine Pesticides by EPA 8081 (mg/kg)	NA	NA	NA	< 0.749 to 3.0	-	-

[1] - Municipal Wastewater MEP "DRAM Project" (files CRAM-Sheet-No.1 "Land Use-Soil Disposal Table").

NOTES:

PCBs	Polychlorinated Biphenyls
VOCs	Volatile Organic Compounds
SVOCs	Semi-Volatile Organic Compounds
PAHs	Polycyclic Aromatic Hydrocarbons
mg/kg	milligrams per kilogram, or parts per million (ppm)
mg/l	milligrams per liter
NA	Not Analyzed

<	below laboratory detection limit, shown
-	not a required disposal contaminant
(1)	Source: MADEP Policy #WSC-94-400 Interim Remediation Waste Management Soil Policy for Petroleum Contaminated Soils, Tables 1 and 2.
BOLD	detected above laboratory detection limit but below Massachusetts Disposal Criteria.
BOLD	detected above laboratory detection limit and ABOVE Massachusetts Disposal Criteria.

Table 3B
Soil Sampling Results, PCBs - Region 1
DCR - Cambridge Street Relief Sewer Project, Worcester, MA, RTN 2-15319
August 6, 2004

Parameters	Soil ID/Sample Depth (ft)													Method 1 Standard S-1/GW-2
	DCR-1-1 0-2.5'	DCR-1-1 5-7.5'	DCR-1-1 10-15'	DCR-1-1 15-17.5'	DCR-1-2 2.5-5'	DUP-1-2 5-7.5'	DCR-1-2 7.5-10'	DCR-1-2 12.5-15'	DCR-1-2 17.5-20'	DCR-1-3 2.5-5'	DCR-1-3 7.5-10'	DCR-1-3 12.5-15'	DCR-1-3 17.5-20'	
PCBs (mg/kg)														
Aroclor 1254	2.54	<0.117	<0.122	<0.127	<0.122	<0.117	<0.103	<0.126	<0.119	<0.117	<0.103	<0.124	<0.120	2

NOTES:

G:\Municipal Wastewater MDC-DWM 2\C217 - Office\URAM Status No 1\T3 Soil Data Only\[T3B soil RT PCBs

PCBs Polychlorinated Biphenyls
mg/kg milligrams per kilogram, or parts per million (ppm)
< below laboratory detection limit, shown

BOLD detected above laboratory detection limit but below MCP reportable concentration
BOLD detected above laboratory detection limit and **ABOVE** MCP reportable concentration

Table 3C
Soil Sampling Results - Region 2
DCR - Cambridge Street Relief Sewer Project, Worcester, MA, RTN 2-15319
August 6, 2004

Parameters	Sample ID/Sample Depth									Method 1 Standard S-1/GW-2
	DCR-2-1 0-5'	DCR-2-1 10-12'	DCR-2-1 10-15'	DCR-2-2 5-10'	DCR-2-2/10-12.5 10-12'	DCR-2-2 15-20'	DCR-2-3 0-5'	DCR-2-3 10-12'	DCR-2-3 10-15'	
RCRA 8 Metals, Total (mg/kg)										
Arsenic	**14.6**	NA	**27.0**	**15.0**	NA	**29.1**	**16.5**	NA	**17.4**	30
Barium	**28.8**	NA	**19.9**	**25.4**	NA	**25.8**	**54.5**	NA	**34.2**	1000
Cadmium	< 0.56	NA	< 0.55	< 0.52	NA	< 0.54	< 0.58	NA	< 0.54	30
Chromium	**18.8**	NA	**15.5**	**16.8**	NA	**14.3**	**18.7**	NA	**17.6**	1000
Lead	**22.3**	NA	**30.2**	**4.75**	NA	**15.2**	**82.5**	NA	**4.67**	300
Mercury	**0.015**	NA	< 0.005	< 0.005	NA	< 0.006	**0.094**	NA	< 0.006	20
Selenium	< 5.59	NA	< 5.49	< 5.21	NA	< 5.42	< 5.76	NA	< 5.45	400
Silver	< 0.56	NA	< 0.55	< 0.52	NA	< 0.54	< 0.58	NA	< 0.54	100
VOCs by EPA Method 8260B (mg/kg)										
1,3-Dichlorobenzene	NA	< 0.001	NA	NA	< 0.001	< 0.36	NA	< 0.003	NA	100
1,4-Dichlorobenzene	NA	< 0.001	NA	NA	< 0.002	< 0.36	NA	< 0.004	NA	40
Tetrachloroethene	NA	< 0.002	NA	NA	< 0.002	NA	NA	< 0.004	NA	20
1,2,4-Trichlorobenzene	NA	< 0.001	NA	NA	< 0.002	NA	NA	< 0.003	NA	400
1,1,1-Trichloroethane	NA	< 0.001	NA	NA	< 0.002	NA	NA	< 0.004	NA	100
Naphthalene	NA	< 0.002	NA	NA	< 0.002	NA	NA	< 0.004	NA	100
VPH (mg/kg)										
C_5 - C_8 Aliphatics	< 18.4	NA	< 17.7	< 16.3	NA	< 17.5	< 20.1	NA	< 17.8	100
C_9 - C_{12} Aliphatics	< 6.15	NA	< 5.91	< 5.43	NA	< 5.83	< 6.70	NA	< 5.92	1000
C_9 - C_{10} Aromatics	< 6.15	NA	< 5.91	< 5.43	NA	< 5.83	< 6.70	NA	5.92	100
Target VOCs (mg/kg)										
Benzene	NA	< 0.001	NA	NA	< 0.001	NA	NA	< 0.003	NA	40
Toluene	NA	< 0.001	NA	NA	< 0.002	NA	NA	< 0.003	NA	500
Ethylbenzene	NA	< 0.001	NA	NA	< 0.001	NA	NA	< 0.003	NA	500
Xylenes (total)	NA	< 0.002	NA	NA	< 0.003	NA	NA	< 0.006	NA	500
Methyl tert butyl ether	NA	< 0.001	NA	NA	< 0.002	NA	NA	0.004	NA	100
Naphthalene	NA	< 0.002	NA	NA	< 0.002	NA	NA	< 0.004	NA	100
EPH (mg/kg)										
C_9 - C_{18} Aliphatics	< 33.6	NA	< 33.0	< 31.2	NA	< 32.5	< 34.6	NA	< 32.7	1000
C_{19} - C_{36} Aliphatics	< 33.6	NA	< 33.0	< 31.2	NA	< 32.5	< 34.6	NA	< 32.7	2500
C_{11} - C_{22} Aromatics	< 33.6	NA	< 33.0	< 31.2	NA	< 32.5	< 34.6	NA	32.7	800
PAHs by EPA Method 8270C (mg/kg)										
Naphthalene	< 0.1	NA	< 0.1	< 0.1	NA	< 0.1	< 0.1	NA	0.1	100
2-Methylnaphthalene	< 0.1	NA	< 0.1	< 0.1	NA	< 0.1	< 0.1	NA	< 0.1	500
Acenaphthylene	< 0.1	NA	< 0.1	< 0.1	NA	< 0.1	< 0.1	NA	< 0.1	100
Acenaphthene	< 0.1	NA	< 0.1	< 0.1	NA	0.1	< 0.1	NA	< 0.1	1000
Fluorene	0.1	NA	< 0.1	< 0.1	NA	< 0.1	< 0.1	NA	< 0.1	1000
Phenanthrene	**0.3**	NA	< 0.1	< 0.1	NA	< 0.1	< 0.1	NA	< 0.1	1000
Anthracene	< 0.1	NA	< 0.1	< 0.1	NA	< 0.1	< 0.1	NA	< 0.1	1000
Fluoranthene	**0.6**	NA	< 0.1	< 0.1	NA	0.1	< 0.1	NA	0.1	1000
Pyrene	**0.4**	NA	< 0.1	< 0.1	NA	< 0.1	< 0.1	NA	< 0.1	300
Benzo(a)anthracene	**0.3**	NA	< 0.1	< 0.1	NA	< 0.1	< 0.1	NA	< 0.1	0.7
Chrysene	**0.3**	NA	< 0.1	< 0.1	NA	< 0.1	< 0.1	NA	< 0.1	7
Benzo(b)fluoranthene	**0.2**	NA	< 0.1	< 0.1	NA	< 0.1	< 0.1	NA	0.1	0.7
Benzo(k)fluoranthene	**0.2**	NA	< 0.1	< 0.1	NA	< 0.1	< 0.1	NA	< 0.1	7
Benzo(a)pyrene	**0.2**	NA	< 0.1	< 0.1	NA	< 0.1	< 0.1	NA	< 0.1	0.7
Indeno(1,2,3-cd)pyrene	< 0.1	NA	< 0.1	< 0.1	NA	< 0.1	< 0.1	NA	< 0.1	0.7
Dibenzo(a,h)anthracene	< 0.1	NA	< 0.1	< 0.1	NA	< 0.1	< 0.1	NA	0.1	0.7
Benzo(g,h,i)perylene	< 0.1	NA	< 0.1	< 0.1	NA	< 0.1	< 0.1	NA	< 0.1	1000

NOTES:

VOCs	Volatile Organic Compounds	<	below laboratory detection limit, shown
VPH	Volatile Petroleum Hydrocarbons	NA	Not Analyzed
EPH	Extractable Petroleum Hydrocarbons	**BOLD**	detected above laboratory detection limit but below MCP reportable concentration
PAHs	Polynuclear Aromatic Hydrocarbons	**BOLD**	detected above laboratory detection limit and **ABOVE** MCP reportable concentration
mg/kg	milligrams per kilogram, or parts per million (ppm)		

Sample DCR 2-2 '15-20' was also analyzed for total chlorinated herbicides and pesticides by EPA Method 8081, both of which were below laboratory detection limits

Table 3D
Soil Sampling Results, PCBs - Region 2
DCR - Cambridge Street Relief Sewer Project, Worcester, MA, RTN 2-15319
August 6, 2004

Parameters	Sample ID Sample Depth (ft)																			Method 1 Standard S-1/GW-2
	DCR-2-1 0-2.5'	DCR-2-1 0-5'	DCR-2-1 5-7.5'	DCR-2-1 10-12'	DCR-2-1 10-15'	DCR-2-1 15-17'	DCR-2-2 2.5-5'	DCR-2-2 5-10'	DCR-2-2 7.5-10'	DCR-2-2/10-12.5 10-12'	DCR-2-2 12.5'15'	DCR-2-2 15-20'	DCR-2-2 17.5-20'	DCR-2-3 0-2.5'	DCR-2-3 0-5'	DCR-2-3 5-7.5'	DCR-2-3 10-12'	DCR-2-3 10-15'	DCR-2-3 15-17'	
PCBs (mg/kg) Aroclor 1254	<0.112	NA	<0.104	<0.104	NA	<0.107	<0.114	NA	<0.102	NA	<0.116	NA	<0.115	<0.112	NA	<0.103	<0.103	NA	<0.112	2

NOTES:

PCBs	Polychlorinated Biphenyls	NA	Not Analyzed
mg/kg	milligrams per kilogram, or parts per million (ppm)	**BOLD**	detected above laboratory detection limit but below MCP reportable concentration
<	below laboratory detection limit, shown	**BOLD**	detected above laboratory detection limit and ABOVE MCP reportable concentration

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Table 5
Soil Sampling Results, PCBs - Beneath 2 Kansas Street Building
DCR - Cambridge Street Relief Sewer Project, Worcester, MA, RTN 2-15319
October 4 and 7, 2004

Sample ID	Sample Depth (feet below ground surface)	PCBs Aroclor 1254 (mg/kg)
DCR-6-01	0 - 2	**9.64**
DCR-6-02	2 - 4	<0.116
DCR-6-03	4 - 6	**0.732**
DCR-6-04	6 - 8	<0.109
DCR-6-05	8 - 10	<0.111
DCR-6-06	10 - 14	<0.110
DCR-6-07	14 - 16	<0.131
DCR-6-08	16 - 18	<0.110
DCR-6-09	18 - 20	<0.122
DCR-6-10	22 - 25	<0.124
DCR-7-01	0 - 2	**191**
DCR-7-02	4 - 6	**0.211**
DCR-7-03	6 - 8	<0.115
DCR-7-04	8 - 10	<0.115
DCR-7-05	10 - 12	**13.1**
DCR-7-05	10 - 12	**10.8**
DCR-7-06	12 - 14	<0.117
DCR-7-07	14 - 16	**2.23**
DCR-7-07	14 - 16	**14.3**
DCR-7-08	16 - 18	<0.118
DCR-7-09	18 - 20	<0.123
DCR-7-10	22 - 25	<0.124
	Method 1 S-1/GW-2 Standard	2
	Upper Concentration Limit	100

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NOTES:

PCBs	Polychlorinated Biphenyls
mg/kg	milligrams per kilogram, or parts per million (ppm)
<	below laboratory detection limit, shown
BOLD	detected above laboratory detection limit but below MCP reportable concentra
BOLD	detected above laboratory detection limit and **ABOVE** Method 1 Standard
BOLD	detected above laboratory detection limit and **ABOVE UCL**

Table 3E
Soil Sampling Results - Region 3
DCR - Cambridge Street Relief Sewer Project, Worcester, MA, RTN 2-15319
August 6 and 10, 2004

Parameters	Sample ID/Sample Depth (ft)							Method 1 Standard S-1/GW-2
	DCR-3-1 0-5'	DCR-3-1 10-15'	DCR-3-2 5-10'	DCR-3-2 10-12.5'	DCR-3-2 15-20'	DCR-3-3 0-4'	DUP-1 (DCR-3-3) 0-4'	
RCRA 8 Metals, Total (mg/kg)								
Arsenic	**37.2**	**17.4**	**31.0**	NA	**13.7**	**16.9**	**19.6**	30
Barium	**42.2**	**129**	**64.5**	NA	**23.7**	**21.1**	**28.7**	1000
Cadmium	< 0.55	< 0.57	< 0.53	NA	< 0.61	< 0.56	< 0.55	30
Chromium	**21.2**	**36.7**	**39.8**	NA	**11.2**	**17.8**	**23.2**	1000
Lead	**65.4**	**7.19**	**5.47**	NA	**2.82**	**3.73**	**3.91**	300
Mercury	**0.048**	**0.007**	**0.005**	NA	< 0.006	< 0.004	< 0.006	20
Selenium	< 5.47	< 5.72	< 5.30	NA	< 6.13	< 5.62	< 5.48	400
Silver	< 0.55	< 0.57	< 0.53	NA	< 0.61	< 0.56	< 0.55	100
VOCs by EPA Method 8260B (mg/kg)								
1,3-Dichlorobenzene	NA	< 0.001	NA	< 0.001	< 0.41	NA	NA	100
1,4-Dichlorobenzene	NA	< 0.001	NA	< 0.002	< 0.41	NA	NA	40
Tetrachloroethene	NA	< 0.001	NA	< 0.002	NA	NA	NA	20
1,2,4-Trichlorobenzene	NA	< 0.001	NA	< 0.002	< 0.41	NA	NA	400
1,1,1-Trichloroethane	NA	< 0.001	NA	< 0.002	NA	NA	NA	100
Naphthalene	NA	**0.003**	NA	< 0.002	NA	NA	NA	100
PCBs (mg/kg)								
Aroclor 1254	< 0.112	< 0.114	< 0.106	NA	< 0.123	< 0.112	< 0.110	2
VPH (mg/kg)								
C_5 - C_8 Aliphatics	< 17.8	< 19.3	< 16.7	NA	< 21.9	< 18.7	< 17.9	100
C_9 - C_{12} Aliphatics	< 5.95	< 6.43	< 5.58	NA	< 7.29	< 6.25	< 5.96	1000
C_9 - C_{10} Aromatics	< 5.95	< 6.43	< 5.58	NA	< 7.29	< 6.25	< 5.96	100
Target VOCs (mg/kg)								
Benzene	NA	0.001	NA	< 0.001	NA	NA	NA	40
Toluene	NA	< 0.001	NA	< 0.002	NA	NA	NA	500
Ethylbenzene	NA	< 0.001	NA	< 0.001	NA	NA	NA	500
Xylenes (total)	NA	< 0.002	NA	< 0.003	NA	NA	NA	500
Methyl tert butyl ether	NA	< 0.001	NA	< 0.002	NA	NA	NA	100
Naphthalene	NA	ND	NA	< 0.002	NA	NA	NA	100
EPH (mg/kg)								
C_9 - C_{18} Aliphatics	< 32.8	< 34.3	< 31.8	NA	< 36.8	< 33.7	< 32.9	1000
C_{19} - C_{36} Aliphatics	< 32.8	< 34.3	< 31.8	NA	< 36.8	< 33.7	< 32.9	2500
C_{11} - C_{22} Aromatics	**51.3**	< 34.3	< 31.8	NA	< 36.8	< 33.7	< 32.9	800
PAHs (mg/kg)								
Naphthalene	< 0.1	< 0.1	< 0.1	< 0.002	< 0.1	< 0.1	< 0.1	100
2-Methylnaphthalene	< 0.1	< 0.1	< 0.1	NA	< 0.1	< 0.1	< 0.1	500
Acenaphthylene	< 0.1	< 0.1	< 0.1	NA	< 0.1	< 0.1	< 0.1	100
Acenaphthene	< 0.1	< 0.1	< 0.1	NA	< 0.1	< 0.1	< 0.1	1000
Fluorene	< 0.1	< 0.1	< 0.1	NA	< 0.1	< 0.1	< 0.1	1000
Phenanthrene	**0.2**	< 0.1	< 0.1	NA	< 0.1	< 0.1	< 0.1	1000
Anthracene	< 0.1	< 0.1	< 0.1	NA	0.1	< 0.1	< 0.1	1000
Fluoranthene	**1.0**	< 0.1	< 0.1	NA	< 0.1	< 0.1	< 0.1	1000
Pyrene	**1.3**	< 0.1	< 0.1	NA	< 0.1	< 0.1	0.1	700
Benzo(a)anthracene	**1.2**	< 0.1	< 0.1	NA	< 0.1	< 0.1	< 0.1	0.7
Chrysene	**1.3**	< 0.1	< 0.1	NA	< 0.1	< 0.1	< 0.1	7
Benzo(b)fluoranthene	< 0.1	< 0.1	< 0.1	NA	< 0.1	< 0.1	0.1	0.7
Benzo(k)fluoranthene	< 0.1	< 0.1	< 0.1	NA	< 0.1	< 0.1	< 0.1	7
Benzo(a)pyrene	**1.6**	< 0.1	< 0.1	NA	< 0.1	< 0.1	< 0.1	0.7
Indeno(1,2,3-cd)pyrene	< 0.1	< 0.1	< 0.1	NA	< 0.1	< 0.1	< 0.1	0.7
Dibenzo(a,h)anthracene	< 0.1	< 0.1	< 0.1	NA	< 0.1	0.1	< 0.1	0.7
Benzo(g,h,i)perylene	< 0.1	< 0.1	< 0.1	NA	0.1	0.1	< 0.1	1000

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NOTES:

VOCs	Volatile Organic Compounds	<	below laboratory detection limit, shown
PCBs	Polychlorinated Biphenyls	mg/kg	milligrams per kilogram, or parts per million (ppm)
VPH	Volatile Petroleum Hydrocarbons	NA	Not Analyzed
EPH	Extractable Petroleum Hydrocarbons	**BOLD**	detected above laboratory detection limit but below MCP reportable concentration
PAHs	Polynuclear Aromatic Hydrocarbons	**BOLD**	detected above laboratory detection limit and **ABOVE** MCP reportable concentration
SVOCs	Semivolatile Organic Compounds		

Sample DCR-3-2 10-12.5' was also analyzed for SVOCs (carbazole, benzo(a)pyrene, perylene) by EPA Method 8270C and for total chlorinated herbicides and pesticides by EPA Method 8081, all of which were below laboratory detection limits. Sample DCR-3-2 5-10' was also analyzed for pesticides by EPA Method 8081, which was below laboratory detection limits.

Table 4
Groundwater Sampling Results
DCR - Cambridge Street Relief Sewer Project, Worcester, MA, RTN 2-15319
August 18, 2004

Parameters	Region/Sample ID						Method 1 Standard		
	REGION 1	REGION 2		REGION 3	REGION 4				
	DCR-1-2 *	DCR-2-3	DCR-2-3/DUP	DCR-3-2	DCR-4-1	DCR-4-3	GW-2	GW-3	UCLs
PCBs (ug/l)									
Aroclor 1254	<0.280	<0.21	<0.22	<0.21	<0.20	<0.20	NS	0.3	5
PP13 Metals (ug/l)									
Antimony	<50	<50	<50	<50	<50	<50	NS	300	3,000
Arsenic	<50	<50	<50	<50	<50	<50	NS	400	4,000
Barium	**160**	**29.4**	**29.5**	**85.2**	**23.7**	**18.3**	NS	30,000	100,000
Beryllium	<5	<2	<2	<2	<2	<2	NS	50	500
Cadmium	<5	<5	<5	<5	<5	<5	NS	10	100
Chromium	<10	<5	<5	<5	<5	<5	NS	2,000	20,000
Lead	<50	<15	<15	<15	<15	<15	NS	30	300
Mercury	<0.2	<0.04	<0.04	<0.04	<0.04	<0.04	NS	1	20
Nickel	<25	NA	NA	NA	NA	NA	NS	80	1,000
Selenium	<10	<50	<50	<50	<50	<50	NS	3,000	800
Silver	<7	<5	<5	<5	<5	<5	NS	80	400
Thallium	<5	<30	<30	<30	<30	<30	NS	400	4,000
Vanadium	<10	<50	<50	<50	<50	<50	NS	2,000	20,000
Zinc	<50	**92**	**0.075**	**0.051**	<10	<10	NS	900	20,000
VPH (ug/l)									
C_5 - C_8 Aliphatics	<50.0	<100	<100	<100	<100	<100	1,000	4,000	100,000
C_9 - C_{12} Aliphatics	<50.0	<100	<100	<100	<100	<100	1,000	20,000	100,000
C_9 - C_{10} Aromatics	<50.0	<100	<100	<100	<100	<100	5,000	4,000	100,000
Target VOCs (ug/l)									
Benzene	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	2,000	7,000	70,000
Toluene	<0.75	<1.0	<1.0	<1.0	<1.0	<1.0	6,000	50,000	100,000
Ethylbenzene	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	30,000	4,000	100,000
Xylenes (total)	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	6,000	50,000	100,000
Methyl tert butyl ether	<1.0	<1.0	<1.0	**1.1**	<1.0	<1.0	50,000	50,000	100,000
Naphthalene	<2.5	<2.0	<2.0	<2.0	<2.0	<2.0	6,000	6,000	60,000
EPH (ug/l)									
C_9 - C_{18} Aliphatics	<100	<150	<150	<158	<150	<158	1,000	20,000	100,000
C_{19} - C_{36} Aliphatics	<100	<150	<150	<158	<150	<158	NS	20,000	100,000
C_{11} - C_{22} Aromatics	<100	<100	<100	<105	<100	<105	50,000	30,000	100,000
Target PAHs (ug/l)									
Naphthalene	<10.0	<2.0	<2.0	<2.0	<2.0	<2.0	6,000	6,000	60,000
2-Methylnaphthalene	<10.0	<1.0	<1.0	<1.1	<1.0	<1.1	10,000	3,000	100,000
Acenaphthylene	<10.0	<1.0	<1.0	<1.1	<1.0	<1.1	NS	3,000	30,000
Acenaphthene	<10.0	<1.0	<1.0	<1.1	<1.0	<1.1	NS	5,000	50,000
Fluorene	<10.0	<1.0	<1.0	<1.1	<1.0	<1.1	NS	3,000	30,000
Phenanthrene	<10.0	<1.0	<1.0	<1.1	<1.0	<1.1	NS	50	3,000
Anthracene	<10.0	<1.0	<1.0	<1.1	<1.0	<1.1	NS	3,000	30,000
Fluoranthene	<10.0	<1.0	<1.0	<1.1	<1.0	<1.1	NS	200	3,000
Pyrene	<10.0	<1.0	<1.0	<1.1	<1.0	<1.1	NS	3,000	30,000
Benzo(a)anthracene	<10.0	<1.0	<1.0	<1.1	<1.0	<1.1	NS	3,000	30,000
Chrysene	<10.0	<1.0	<1.0	<1.1	<1.0	<1.1	NS	3,000	30,000
Benzo(b)fluoranthene	<10.0	<1.0	<1.0	<1.1	<1.0	<1.1	NS	3,000	30,000
Benzo(k)fluoranthene	<10.0	<1.0	<1.0	<1.1	<1.0	<1.1	NS	3,000	30,000
Benzo(a)pyrene	<10.0	<1.0	<1.0	<1.1	<1.0	<1.1	NS	3,000	30,000
Indeno(1,2,3-cd)pyrene	<10.0	<1.0	<1.0	<1.1	<1.0	<1.1	NS	3,000	30,000
Dibenzo(a,h)anthracene	<10.0	<1.0	<1.0	<1.1	<1.0	<1.1	NS	3,000	30,000
Benzo(g,h,i)perylene	<10.0	<1.0	<1.0	<1.1	<1.0	<1.1	NS	3,000	30,000

NOTES:

* Municipal Wastewater MCP (DWM 2004) Office 1 RAM Status No 1-15319-WSO-0xxxx

PCBs	Polychlorinated Biphenyls	PAHs	Polynuclear Aromatic Hydrocarbons
VPH	Volatile Petroleum Hydrocarbons	<	below laboratory detection limit, shown
VOCs	Volatile Organic Compounds	NA	Not Analyzed
EPH	Extractable Petroleum Hydrocarbons	NS	No Standard

BOLD chemical detected above laboratory detection limit and concentration is below MCP reportable concentration

BOLD chemical detected above laboratory detection limit and concentration is **ABOVE** MCP reportable concentration

Sample DCR-1-2 was analyzed by Alpha Laboratories; all other samples were analyzed by ConTest Laboratories.

Table 3A
Soil Sampling Results - Region 1
DCR - Cambridge Street Relief Sewer Project, Worcester, MA, RTN 2-15319
August 6, 2004

Parameters	Sample ID/Sample Depth (ft)							Method 1 Standard S-1/GW-2
	DCR-1-1/0-5 0-5'	DCR-1-1 10-15'	DCR-1-2 5-10'	DCR-1-2 10-15'	DCR-1-2 15-20'	DCR-1-3/0-5 0-5'	DCR-1-3 10-15'	
RCRA 8 Metals, Total (mg/kg)								
Arsenic	7.49	8.09	12.9	NA	13.1	16.2	18.5	30
Barium	49.8	18.9	31.4	NA	23.1	36.4	17.9	1000
Cadmium	<0.58	<0.61	<0.52	NA	<0.58	<0.59	<0.59	30
Chromium	25.2	11.6	20.1	NA	13.1	22.0	11.8	1000
Lead	28.6	4.19	10.6	NA	26.3	20.0	22.2	300
Mercury	0.013	<0.004	0.004	NA	<0.004	0.031	<0.005	20
Selenium	<5.78	<6.10	<5.22	NA	<5.84	<5.87	<5.88	400
Silver	<0.58	<0.61	<0.52	NA	<0.58	<0.59	<0.59	100
VOCs by EPA Method 8260B (mg/kg)								
1,3-Dichlorobenzene	NA	<0.001	NA	<0.001	<0.39	NA	<0.001	100
1,4-Dichlorobenzene	NA	<0.002	NA	<0.002	<0.39	NA	<0.001	40
Tetrachloroethene	NA	<0.002	NA	<0.002	NA	NA	<0.002	20
1,2,4-Trichlorobenzene	NA	<0.002	NA	<0.002	NA	NA	<0.001	400
1,1,1-Trichloroethane	NA	<0.002	NA	<0.002	NA	NA	<0.001	100
VPH (mg/kg)								
C_5 - C_8 Aliphatics	<19.7	<21.5	<17.6	NA	<20.2	<20.2	<20.3	100
C_9 - C_{12} Aliphatics	<6.57	<7.17	<5.86	NA	<6.72	<6.74	<6.75	1000
C_9 - C_{10} Aromatics	<6.57	<7.17	<5.86	NA	<6.72	<6.74	<6.75	100
Target VOCs (mg/kg)								
Benzene	NA	<0.001	NA	<0.001	NA	NA	<0.001	40
Toluene	NA	<0.002	NA	<0.002	NA	NA	<0.001	500
Ethylbenzene	NA	<0.001	NA	<0.001	NA	NA	<0.001	500
Xylenes (total)	NA	<0.003	NA	<0.003	NA	NA	<0.002	500
Methyl tert butyl ether	NA	<0.002	NA	<0.002	NA	NA	<0.001	100
Naphthalene	NA	<0.002	NA	<0.002	NA	NA	<0.002	100
EPH (mgkg)								
C_9 - C_{18} Aliphatics	<34.7	<36.6	<31.3	NA	<35.1	<35.2	<35.2	1000
C_{19} - C_{36} Aliphatics	<34.7	<36.6	<31.3	NA	<35.1	<35.2	<35.2	2500
C_{11} - C_{22} Aromatics	<34.7	<36.6	<31.3	NA	<35.1	<35.2	<35.2	800
PAHs by EPA Method 8270C (mg/kg)								
Naphthalene	<0.1	<0.1	<0.1	NA	<0.1	<0.1	<0.1	100
2-Methylnaphthalene	<0.1	<0.1	<0.1	NA	<0.1	<0.1	<0.1	500
Acenaphthylene	<0.1	<0.1	<0.1	NA	<0.1	<0.1	<0.1	100
Acenaphthene	<0.1	<0.1	<0.1	NA	<0.1	<0.1	<0.1	1000
Fluorene	<0.1	<0.1	<0.1	NA	<0.1	<0.1	<0.1	1000
Phenanthrene	<0.1	<0.1	<0.1	NA	<0.1	<0.1	<0.1	1000
Anthracene	<0.1	<0.1	<0.1	NA	<0.1	<0.1	<0.1	1000
Fluoranthene	<0.1	<0.1	<0.1	NA	<0.1	<0.1	<0.1	1000
Pyrene	<0.1	<0.1	<0.1	NA	<0.1	<0.1	<0.1	700
Benzo(a)anthracene	<0.1	<0.1	<0.1	NA	<0.1	<0.1	<0.1	0.7
Chrysene	<0.1	<0.1	<0.1	NA	<0.1	<0.1	<0.1	7
Benzo(b)fluoranthene	<0.1	<0.1	<0.1	NA	<0.1	<0.1	<0.1	0.7
Benzo(k)fluoranthene	<0.1	<0.1	<0.1	NA	<0.1	<0.1	<0.1	7
Benzo(a)pyrene	<0.1	<0.1	<0.1	NA	<0.1	<0.1	<0.1	0.7
Indeno(1,2,3-cd)pyrene	<0.1	<0.1	<0.1	NA	<0.1	<0.1	<0.1	0.7
Dibenzo(a,h)anthracene	<0.1	<0.1	<0.1	NA	<0.1	<0.1	<0.1	0.7
Benzo(g,h,i)perylene	<0.1	<0.1	<0.1	NA	<0.1	<0.1	<0.1	1000

G:\Municipal Wastewater\MDC\DWM-200217 - Office URAM Status No 1\[T3 Soil Data Only.xls]T3A soil Region 1

NOTES:

VOCs	Volatile Organic Compounds
VPH	Volatile Petroleum Hydrocarbons
EPH	Extractable Petroleum Hydrocarbons
PAHs	Polynuclear Aromatic Hydrocarbons
mg/kg	milligrams per kilogram, or parts per million (ppm)
-	below laboratory detection limit, shown
ND	Not detected above laboratory detection limits
BOLD	detected above laboratory detection limit but below MCP reportable concentration
BOLD	detected above laboratory detection limit and **ABOVE** MCP reportable concentration

Sample DCR-1-2/15-20' was also analyzed for total chlorinated herbicides and pesticides by EPA Method 8081, both of which were below laboratory detection limits

Table 3F
Soil Sampling Results - Region 4
DCR - Cambridge Street Relief Sewer Project, Worcester, MA, RTN 3-15319
August 9 and 10, 2004

Parameters	Sample ID/Sample Depth (ft)									Method 1 Standard
	DCR-4-1 4-8'	DCR-4-1 10-14'	DCR-4-1 17-20'	DCR-4-2 0-4'	DCR-4-2 11-14'	DCR-4-2 16-20'	DCR-4-3 4-8'	DCR-4-3 8-12'	DCR-4-3 16-20'	S-1/GW-2
RCRA 8 Metals, Total (mg/kg)										
Arsenic	15.5	NA	20.7	18.0	14.7	NA	19.7	NA	9.85	30
Barium	24.6	NA	20.8	23.8	26.9	NA	31.5	NA	29.3	1000
Cadmium	<0.56	NA	<0.61	<0.55	<0.55	NA	<0.58	NA	<0.56	30
Chromium	19.2	NA	8.82	21.8	13.7	NA	27.8	NA	17.0	1000
Lead	3.12	NA	2.24	3.96	4.05	NA	4.17	NA	3.74	300
Mercury	<0.006	NA	<0.005	0.025	<0.005	NA	0.009	NA	0.006	20
Selenium	<5.59	NA	<6.11	<5.85	<5.51	NA	<5.77	NA	<5.55	400
Silver	<0.56	NA	<0.61	<0.58	<0.55	NA	<0.58	NA	<0.56	100
VOCs by EPA Method 8260B (mg/kg)										
1,3-Dichlorobenzene	NA	<0.002	NA	NA	<0.002	<0.37	NA	<0.002	NA	100
1,4-Dichlorobenzene	NA	<0.002	NA	NA	<0.002	<0.37	NA	<0.002	NA	40
Tetrachloroethene	NA	<0.002	NA	NA	<0.002	NA	NA	<0.002	NA	20
1,2,4-Trichlorobenzene	NA	<0.002	NA	NA	<0.002	<0.37	NA	<0.002	NA	400
1,1,1-Trichloroethane	NA	<0.002	NA	NA	<0.002	NA	NA	<0.002	NA	100
PCBs (mg/kg)										
Aroclor 1254	<0.112	NA	<0.122	<0.117	<0.110	NA	<0.115	NA	<0.112	2
VPH (mg/kg)										
C_5 - C_8 Aliphatics	<18.5	NA	<21.6	<26.2	<18.4	NA	<20.1	NA	<18.4	100
C_9 - C_{12} Aliphatics	<6.28	NA	<7.19	<8.72	<6.12	NA	<6.70	NA	<6.13	1000
C_9 - C_{10} Aromatics	<6.28	NA	<7.19	<6.72	<6.12	NA	<6.70	NA	<6.13	100
Target VOCs (mg/kg)										
Benzene	NA	<0.002	NA	NA	<0.002	NA	<0.067	<0.002	<0.061	40
Toluene	NA	<0.002	NA	NA	<0.002	NA	<0.067	<0.002	<0.061	500
Ethylbenzene	NA	<0.002	NA	NA	<0.002	NA	<0.067	<0.002	<0.061	500
Xylenes, total	NA	<0.004	NA	NA	<0.003	NA	<0.134	<0.004	<0.123	500
Methyl tert-butyl ether	NA	<0.004	NA	NA	<0.003	NA	<0.067	<0.004	<0.061	100
Naphthalene	NA	<0.004	NA	NA	<0.003	NA	<0.670	<0.004	<0.613	100
EPH (mg/kg)										
C_9 - C_{18} Aliphatics	<33.6	NA	<36.7	<35.1	<33.1	NA	<34.6	NA	<33.5	1000
C_{19} - C_{36} Aliphatics	<33.6	NA	<36.7	<35.1	<33.1	NA	<34.6	NA	<33.5	2500
C_{11} - C_{22} Aromatics	<33.6	NA	<36.7	<35.1	<33.1	NA	<34.6	NA	<33.5	800
PAHs (mg/kg)										
Naphthalene	<0.1	NA	<0.1	<0.1	<0.1	<0.19	<0.1	NA	<0.1	100
2-Methylnaphthalene	<0.1	NA	<0.1	<0.1	<0.1	<0.19	<0.1	NA	<0.1	500
Acenaphthylene	<0.1	NA	<0.1	<0.1	<0.1	<0.19	<0.1	NA	<0.1	100
Acenaphthene	<0.1	NA	<0.1	<0.1	<0.1	<0.19	<0.1	NA	<0.1	1000
Fluorene	<0.1	NA	<0.1	<0.1	<0.1	<0.19	<0.1	NA	<0.1	1000
Phenanthrene	<0.1	NA	<0.1	<0.1	<0.1	<0.19	<0.1	NA	<0.1	1000
Anthracene	<0.1	NA	<0.1	<0.1	<0.1	<0.19	<0.1	NA	<0.1	1000
Fluoranthene	<0.1	NA	<0.1	<0.1	<0.1	<0.19	<0.1	NA	<0.1	1000
Pyrene	<0.1	NA	<0.1	<0.1	<0.1	<0.19	<0.1	NA	<0.1	700
Benzo(a)anthracene	<0.1	NA	<0.1	<0.1	<0.1	<0.19	<0.1	NA	<0.1	0.7
Chrysene	<0.1	NA	<0.1	<0.1	<0.1	<0.19	<0.1	NA	<0.1	7
Benzo(b)fluoranthene	<0.1	NA	<0.1	<0.1	<0.1	<0.19	<0.1	NA	<0.1	0.7
Benzo(k)fluoranthene	<0.1	NA	<0.1	<0.1	<0.1	<0.19	<0.1	NA	<0.1	7
Benzo(a)pyrene	<0.1	NA	<0.1	<0.1	<0.1	<0.19	<0.1	NA	<0.1	0.7
Indeno(1,2,3-cd)pyrene	<0.1	NA	<0.1	<0.1	<0.1	<0.19	<0.1	NA	<0.1	0.7
Dibenz(a,h)anthracene	<0.1	NA	<0.1	<0.1	<0.1	<0.19	<0.1	NA	<0.1	0.7
Benzo(g,h,i)perylene	<0.1	NA	<0.1	<0.1	<0.1	0.19	<0.1	NA	<0.1	1,000

NOTES:

VOCs	Volatile Organic Compounds		Below Laboratory detection limit, shown
PCBs	Polychlorinated Biphenyls	mg/kg	milligrams per kilogram, or parts per million (ppm)
VPH	Volatile Petroleum Hydrocarbons	NA	Not Analyzed
EPH	Extractable Petroleum Hydrocarbons	BOLD	Detected above laboratory detection limit
[illegible]	[illegible]	BOLD	detected above reportable concentration
NAVOCs	Non-Aromatic Volatile Organic Compounds		

Sample DUP-8-4-2 (8-4) was also analyzed for total chromium, hexavalent chromium and percentage by EPA Method 9013. Total chromium was 11.1 mg/kg, hexavalent chromium was below laboratory detection limits.

APPENDIX E

LABORATORY ANALYTICAL REPORTS

SOIL

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number W0114-04

Prepared for:

Attn: Kevin Doherty
Knoll Environmental
60 Wexford St.
Needham, MA 02494

Report Date: January 19, 2011

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc. Project #: 2566

Project Location: 2 Kansas Street RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
W0114-04

Matrices: Groundwater/Surface Water x Soil/Sediment Drinking Water Air Other:

CAM Protocol (check all that apply below):

8260 VOC CAM II A	7470/7471 Hg CAM III B	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP APH CAM IX A
8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EPH CAM IV B	8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VOC CAM IX B
6010 Metals CAM III A	6020 Metals CAM III D	8082 PCB CAM V A **x**	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	X Yes No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	X Yes No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	X Yes No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	X Yes No
E	VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	Yes No Yes No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	X Yes No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	X Yes No[1]

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	X Yes No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	X Yes No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ **Position:** Laboratory Director

Printed Name: Richard Warila **Date:** 1/19/2011

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on January 14, 2011. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is W0114-04.

Custody records are included in this report.

Site: 2 Kansas Street
COC#: 2566

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
B-163 6'-9'	1/3/11	Soil	Table II
B-163 9'-12'	1/3/11	Soil	Table II
B-165 6'-9'	1/3/11	Soil	Table II
B-165 9'-12'	1/3/11	Soil	Table II

TABLE III, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
PCBs	3541	8082

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.

CASE NARRATIVE:

Sample Receipt:

No trip blank was supplied. No field blank was supplied. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits.)

The samples were all appropriately cooled and preserved upon receipt. The samples for dissolved metals were filtered upon receipt to the laboratory.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

PCBs:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

RESULTS: PCBs

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

Sample: B-163 6'-9'		Analyst's Initials: NS
Case No.: W0114-04		
Date Collected: 1/3/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/14/11	1/14/11
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	56	39-120
DCBP	64	34-140

*Dry Weight Basis

Sample: B-163 9'-12'		Analyst's Initials: NS
Case No.: W0114-04		
Date Collected: 1/3/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/14/11	1/14/11
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	56	39-120
DCBP	54	34-140

*Dry Weight Basis

Sample: B-165 6'-9'		Analyst's Initials: NS
Case No.: W0114-04		
Date Collected: 1/3/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/14/11	1/17/11
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	730	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	58	39-120
DCBP	65	34-140

*Dry Weight Basis

Sample: B-165 9'-12'		Analyst's Initials: NS
Case No.: W0114-04		
Date Collected: 1/3/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/14/11	1/14/11
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	61	39-120
DCBP	67	34-140

*Dry Weight Basis

Sample: Method Blank		Analyst's Initials: NS
Case No.: W0114-04		
Date Collected: NA		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/14/11	1/14/11
Analytical Method: EPA 8082		
Compound	Concentration ug/kg (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	61	39-120
DCBP	69	34-140

PCB Laboratory Control Spike

Sample Matrix: Soil				
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3540C	1/14/11			1/14/11
Analytical Method: EPA 8082				
Compound	Amount Spiked mg/kg	Result mg/kg	Recovery %	Recovery Limits
Aroclor 1016	0.500	0.312	62	46-130
Aroclor 1260	0.500	0.303	61	55-130
Surrogates:				
Compound	% Recovery	Limits		
TCMX	51	39-120		
DCBP	61	34-140		

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

W0114-04

69 WEXFORD STREET
NEEDHAM, MA 02494
Phone: (781) 449-1566
Fax: (888) 291-8355

Turn Around Time: Rush
Due Date:

Project Name:	COC#	Comments:
2 Kansas St	2566	Holdy time expires 1/17/11
	PO# 3498	
Collected By:		

Sample ID	Collection (Date/Time)	Matrix	Preservative	# of Contrs	8260 (VOC)	5035 high/low	524.2 (VOC)	8270b (PAH's)	8270 (SVOC)	VPH (TPH)	EPH (TPH)	RCRA 8 (Metal)	8080 (PCB)				Asb. by PLM
B-163 6'-9'	1-3-11	Soil	—	1									X				
B-163 9'-12	"	"	—	1									X				
B-165 6'-9'	"	"	—	1									X				
B-165 9'-12	"	"	—	1									X				
																	4°C

Relinquished By: Date/Time 1/14/11
Relinquished By: Date/Time
Relinquished By: Date/Time

Received By: Date/Time 1-14-11 11:55 AM
Received By: Date/Time
Received By: Crystal Date/Time 1/14/11 1:50

Notes: GW=Ground Water S=Sediments/Soil WW=Waste Water

1:50

g:\knoll\formats\COC.XLS

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number W0105-11

Prepared for:

Attn: Kevin Doherty
Knoll Environmental
60 Wexford St.
Needham, MA 02494

Report Date: January 11, 2011

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc	Project #: 2562
Project Location: Kansas Street	RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
W0105-11

Matrices: Groundwater/Surface Water x Soil/Sediment Drinking Water Air Other:

CAM Protocol (check all that apply below):

8260 VOC CAM II A	7470/7471 Hg CAM III B	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP APH CAM IX A
8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EPH CAM IV B	8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VOC CAM IX B
6010 Metals CAM III A	6020 Metals CAM III D	8082 PCB CAM V A **x**	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	X Yes No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	X Yes No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	X Yes No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	X Yes No
E	VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	Yes No Yes No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	X Yes No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	X Yes No[1]

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	X Yes No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	X Yes No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:  **Position:** Laboratory Director

Printed Name: Richard Warila **Date:** 1/11/2011

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on January 5, 2011. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is W0105-11.

Custody records are included in this report.

Site: Kansas Street
COC#: 2562

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
B-154 0.5'-1.5'	1/3/11	Soil	Table II
B-155 0.5'-1.5'	1/3/11	Soil	Table II
B-156 0.5'-1.5'	1/3/11	Soil	Table II
B-157 0.5'-1.5'	1/3/11	Soil	Table II
B-158 0.5'-1.5'	1/3/11	Soil	Table II
B-159 0.5'-1.5'	1/3/11	Soil	Table II
B-160 0.5'-1.5'	1/3/11	Soil	Table II
B-161 0.5'-1.5'	1/3/11	Soil	Table II

TABLE III, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
PCBs	3541	8082

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.

CASE NARRATIVE:

Sample Receipt:

No trip blank was supplied. No field blank was supplied. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits.)

The samples were all appropriately cooled and preserved upon receipt. The samples for dissolved metals were filtered upon receipt to the laboratory.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

PCBs:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Due to samples "B-161(0.5-1.5)" exceeding the calibration range of the instrument, they were analyzed at a dilution. As a result, the surrogates were diluted out.

RESULTS: PCBs

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

Sample: B-154 0.5'-1.5'		Analyst's Initials: NS
Case No.: W0105-11		
Date Collected: 1/3/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/6/11	1/7/11
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	4,960	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	65	39-120
DCBP	88	34-140

*Dry Weight Basis

Sample: B-155 0.5'-1.5'		Analyst's Initials: NS
Case No.: W0105-11		
Date Collected: 1/3/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/6/11	1/7/11
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	2,830	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	87	39-120
DCBP	75	34-140

*Dry Weight Basis

Sample: B-156 0.5'-1.5'		Analyst's Initials: NS
Case No.: W0105-11		
Date Collected: 1/3/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/6/11	1/10/11
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	300
Aroclor-1232	N.D.	300
Aroclor-1016/1242	N.D.	300
Aroclor-1248	N.D.	300
Aroclor-1254	N.D.	300
Aroclor-1260	N.D.	300
Aroclor-1262	N.D.	300
Aroclor-1268	N.D.	300
Surrogates:		
Compound	% Recovery	Limits
TCMX	55	39-120
DCBP	64	34-140

*Dry Weight Basis

Sample: B-157 0.5'-1.5'		Analyst's Initials: NS
Case No.: W0105-11		
Date Collected: 1/3/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/6/11	1/7/11
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	462	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	68	39-120
DCBP	65	34-140

*Dry Weight Basis

Sample: B-158 0.5'-1.5'		Analyst's Initials: NS
Case No.: W0105-11		
Date Collected: 1/3/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/6/11	1/7/11
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	1,675	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	76	39-120
DCBP	70	34-140

*Dry Weight Basis

Sample: B-159 0.5'-1.5'		Analyst's Initials: NS
Case No.: W0105-11		
Date Collected: 1/3/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/6/11	1/7/11
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	1,390	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	57	39-120
DCBP	60	34-140

*Dry Weight Basis

Sample: B-160 0.5'-1.5'		Analyst's Initials: NS
Case No.: W0105-11		
Date Collected: 1/3/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/6/11	1/10/11
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	54,915	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	110	39-120
DCBP	107	34-140

*Dry Weight Basis

Sample: B-161 0.5'-1.5'		Analyst's Initials: NS
Case No.: W0105-11		
Date Collected: 1/3/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/6/11	1/10/11
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	290,310	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	Diluted Out	39-120
DCBP	Diluted Out	34-140

*Dry Weight Basis

Sample: Method Blank		Analyst's Initials: NS
Case No.: W0105-11		
Date Collected: NA		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/6/11	1/6/11
Analytical Method: EPA 8082		
Compound	Concentration ug/kg (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	51	39-120
DCBP	63	34-140

PCB Laboratory Control Spike

Sample Matrix: Soil				
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3540C	1/6/11			1/6/11
Analytical Method: EPA 8082				
Compound	Amount Spiked mg/kg	Result mg/kg	Recovery %	Recovery Limits
Aroclor 1016	0.500	0.345	69	46-130
Aroclor 1260	0.500	0.350	70	55-130
Surrogates:				
Compound	% Recovery	Limits		
TCMX	65	39-120		
DCBP	71	34-140		

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY W0105-11

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone: (781) 449-1566
Fax: (888) 291-8355

Turn Around Time: normal
Due Date: 1/15/11

Project Name:	COC#	Comments:
KANSAS ST.	2562	
	PO# 3494	
Collected By: K.D.		5°C

Sample ID	Collection (Date/Time)	Matrix	Preservative	# of Contrs	8260 (VOC)	5035 high/low	524.2 (VOC)	8270b (PAH's)	8270 (SVOC)	VPH (TPH)	EPH (TPH)	RCRA 8 (Metal)	8080 (PCB)				Asb. by PLM
B-154 0.5'-1.5'	1-3-11	Soil	—	1									X				
B-155 0.5'-1.5'	"	"	—	1									X				
B-156 0.5-1.5'	"	"	—	1									X				
B-157 0.5-1.5'	"	"	—	1									X				
B-158 0.5-1.5'	"	"	—	1									X				
B-159 0.5-1.5'	"	"	—	1									X				
B-160 0.5-1.5'	"	"	—	1									X				
B-161 0.5-1.5'	"	"	—	1									X				

Relinquished By:	Date/Time	Relinquished By:	Date/Time	Relinquished By:	Date/Time
Kevin Doherty	1/3/11	Kevin Downing	1-5-11 2:00		
Received By:	**Date/Time**	**Received By:**	**Date/Time**	**Received By:**	**Date/Time**
Kevin Downing	1-4-11 9:28 am	Cupid Shuttle	1-5-11 2:00		

Notes: GW=Ground Water S=Sediments/Soil WW=Waste Water

Kevin Downing - 1-5-11

g:\knoll\formats\COC.XLS

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number W0105-10

Prepared for:

Attn: Kevin Doherty
Knoll Environmental
60 Wexford St.
Needham, MA 02494

Report Date: January 11, 2011

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.	Project #: 2564
Project Location: Kansas Street	RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
W0105-10

Matrices: Groundwater/Surface Water x Soil/Sediment Drinking Water Air Other:

CAM Protocol (check all that apply below):

8260 VOC CAM II A	7470/7471 Hg CAM III B	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP APH CAM IX A
8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EPH CAM IV B	8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VOC CAM IX B
6010 Metals CAM III A **x**	6020 Metals CAM III D	8082 PCB CAM V A **x**	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	X Yes No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	X Yes No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	X Yes No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	X Yes No
E	VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	Yes No Yes No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	X Yes No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	X Yes No[1]

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	X Yes No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	X Yes No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ **Position:** Laboratory Director

Printed Name: Richard Warila **Date:** 1/11/2011

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on January 5, 2011. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is W0105-10.

Custody records are included in this report.

Site: Kansas Street
COC#: 2564

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
B-135 (9'-12')	1/4/11	Soil	Table II
B-135 (9'-12') MS	1/4/11	Soil	Table II
B-135 (9'-12') MSD	1/4/11	Soil	Table II
B-138 (9'-12')	1/4/11	Soil	Table II
B-143 (9'-12')	1/4/11	Soil	Table III

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Total Metals		
Cadmium	3050B	6010B
Lead	3050B	6010B

TABLE III, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
PCBs	3541	8082

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.

CASE NARRATIVE:

Sample Receipt:

No trip blank was supplied. No field blank was supplied. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits.)

The samples were all appropriately cooled and preserved upon receipt. The samples for dissolved metals were filtered upon receipt to the laboratory.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

Metals:

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

PCBs:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

METALS RESULTS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Metals Analysis Department certifies that the results included in this section have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

New England Testing Laboratory, Inc.

METALS RESULTS

Case Number:	W0105-10
Sample ID:	B-135 (9'-12')
Date collected:	1/4/11
Matrix	Soil
Solids, %	92.16
Sample Type:	Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	ND	0.34	0.34	mg/kg	1/6/11	1/7/11
Lead	7439-92-1	3050B	6010B	75.2	0.34	0.34	mg/kg	1/6/11	1/7/11

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: W0105-10
Sample ID: B-135 (9'-12') MS
Date collected: 1/4/11
Matrix Soil
Solids, % 92.16
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	55.1	0.34	0.34	mg/kg	1/6/11	1/7/11
Lead	7439-92-1	3050B	6010B	135	0.34	0.34	mg/kg	1/6/11	1/7/11

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: W0105-10
Sample ID: B-135 (9'-12') MSD
Date collected: 1/4/11
Matrix Soil
Solids, % 92.16
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	54.6	0.33	0.33	mg/kg	1/6/11	1/7/11
Lead	7439-92-1	3050B	6010B	134	0.33	0.33	mg/kg	1/6/11	1/7/11

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: W0105-10
Sample ID: B-138 (9'-12')
Date collected: 1/4/11
Matrix Soil
Solids, % 92.43
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	ND	0.32	0.32	mg/kg	1/6/11	1/7/11
Lead	7439-92-1	3050B	6010B	3.01	0.32	0.32	mg/kg	1/6/11	1/7/11

ND indicates not Detected

All results are reported on a dry weight basis.

Sample ID: Preparation Blank
Matrix SOIL
Solids, % 100
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	ND	0.33	0.33	mg/kg	1/6/11	1/7/11
Lead	7439-92-1	3050B	6010B	ND	0.33	0.33	mg/kg	1/6/11	1/7/11

ND indicates not Detected

All results are reported on a dry weight basis.

LABORATORY CONTROL SAMPLE RECOVERY

Parameter	True Value	Result	Units	Recovery, %	Internal LCL, %	Internal UCL, %	Date Analyzed
Cadmium	66.7	56.0	mg/kg	84	80	110	1/7/11
Lead	66.7	58.7	mg/kg	88	80	114	1/7/11

MATRIX SPIKE RESULTS

Sample: W0105-10 B-135 (9'-12')

Parameter	Sample Result	MS Fortification	MS Spike Result	Recovery, %	MSD Fortification	MSD Spike Result	Recovery, %	Units	RPD, %	Limit	Recovery Limits
Cadmium	0	66.7	**55.1**	83	66.7	**54.6**	82	mg/kg	0.91	**20**	**75-125**
Lead	75.2	66.7	**135**	90	66.7	**134**	88	mg/kg	1.69	**20**	**75-125**

Comments:

RESULTS: PCBs

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

Sample: B-143 (9'-12')		Analyst's Initials: NS
Case No.: W0105-10		
Date Collected: 1/4/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/7/11	1/7/11
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	872	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	86	39-120
DCBP	71	34-140

*Dry Weight Basis

Sample: Method Blank		Analyst's Initials: NS
Case No.: W0105-10		
Date Collected: NA		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/7/11	1/7/11
Analytical Method: EPA 8082		
Compound	Concentration ug/kg (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	72	39-120
DCBP	78	34-140

PCB Laboratory Control Spike

Sample Matrix: Soil				
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3540C	1/7/11			1/7/11
Analytical Method: EPA 8082				
Compound	Amount Spiked mg/kg	Result mg/kg	Recovery %	Recovery Limits
Aroclor 1016	0.500	0.428	85	46-130
Aroclor 1260	0.500	0.505	101	55-130
Surrogates:				
Compound	% Recovery	Limits		
TCMX	62	39-120		
DCBP	68	34-140		

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

W0105-10

69 WEXFORD STREET
NEEDHAM, MA 02494
Phone: (781) 449-1566
Fax: (888) 291-8355

Turn Around Time: Normal
Due Date: 1/15/11

Project Name:	COC#	Comments:
Kansas st.	2564	
	PO# 3496	
Collected By: K.P.		4°C

Sample ID	Collection (Date/Time)	Matrix	Preservative	# of Contrs	8260 (VOC)	5035 high/low	524.2 (VOC)	8270b (PAH's)	8270 (SVOC)	VPH (TPH)	EPH (TPH)	RCRA 8 (Metal)	8080 (PCB)	Pb	Cd		Asb. by PLM
B-135 9'-12'	1-4-11	Soil	—	1										X	X		
B-138 9'-12'	1-4-11	"	—	1										X	X		
B-143 9'-12'	1-4-11	"	—	1									X				

Relinquished By:	Date/Time	Relinquished By:	Date/Time	Relinquished By:	Date/Time
[signature]	1/4/11	[signature]	1-5-11 2:00		
Received By:	**Date/Time**	**Received By:**	**Date/Time**	**Received By:**	**Date/Time**
[signature]	1-4-11 9:25AM	[signature]	1-5-11 2:00		

Notes: GW=Ground Water S=Sediments/Soil WW=Waste Water

g:\knoll\formats\COC.XLS

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number W0105-09

Prepared for:

Attn: Kevin Doherty
Knoll Environmental
60 Wexford St.
Needham, MA 02494

Report Date: January 13, 2011

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

Total # of Pages: 81

MassDEP Analytical Protocol Certification Form

Laboratory Name:.New England Testing Laboratory | Project #: 2563

Project Location: Kansas Street | RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
W0105-09

Matrices: Groundwater/Surface Water x Soil/Sediment Drinking Water Air Other:

CAM Protocol (check all that apply below):

8260 VOC CAM II A	7470/7471 Hg CAM III B **x**	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP APH CAM IX A
8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EPH CAM IV B	8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VOC CAM IX B
6010 Metals CAM III A **x**	6020 Metals CAM III D	8082 PCB CAM V A **x**	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	X Yes No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	X Yes No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	X Yes No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	X Yes No
E	VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	Yes No Yes No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	X Yes No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	X Yes No[1]

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	X Yes No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	X Yes No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ **Position:** Laboratory Director

Printed Name: Richard Warila **Date:** 1/13/2011

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on January 5, 2011. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is W0105-09.

Custody records are included in this report.

Site: Kansas Street
COC#: 2563

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
B-162 0.5'-1.5'	1/3/11	Soil	Table II
B-162 1.5'-3'	1/3/11	Soil	Table II
B-162 3'-6'	1/3/11	Soil	Table II
B-163 0.5'-1.5'	1/3/11	Soil	Table II
B-163 1.5'-3'	1/3/11	Soil	Table II
B-163 3'-6'	1/3/11	Soil	Table II
B-164 0.5'-1.5'	1/3/11	Soil	Table II
B-164 1.5'-3'	1/3/11	Soil	Table II
B-164 3'-6'	1/3/11	Soil	Table II
B-165 0.5'-1.5'	1/3/11	Soil	Table II
B-165 1.5'-3'	1/3/11	Soil	Table II
B-165 3'-6'	1/3/11	Soil	Table II
B-166 0.5'-1.5'	1/3/11	Soil	Table II
B-166 1.5'-3'	1/3/11	Soil	Table II
B-166 3'-6'	1/3/11	Soil	Table II
B-167 0.5'-1.5'	1/3/11	Soil	Table II
B-167 1.5'-3'	1/3/11	Soil	Table II
B-167 3'-6'	1/3/11	Soil	Table II
B-167 6'-9'	1/3/11	Soil	Table II
B-168 0.5'-1.5'	1/4/11	Soil	Table III
B-168 0.5'-1.5' MS	1/4/11	Soil	Table III
B-168 0.5'-1.5' MSD	1/4/11	Soil	Table III
B-168 1.5'-3'	1/4/11	Soil	Table III
B-168 3'-6'	1/4/11	Soil	Table III
B-168 6'-9'	1/4/11	Soil	Table III
B-169 0.5'-1.5'	1/4/11	Soil	Table III
B-169 1.5'-3'	1/4/11	Soil	Table III
B-169 3'-6'	1/4/11	Soil	Table III
B-170 0.5'-1.5'	1/4/11	Soil	Table III

B-170 1.5’-3’	1/4/11	Soil	Table III
B-170 3’-6’	1/4/11	Soil	Table III
B-171 0.5’-1.5’	1/4/11	Soil	Table II
B-171 1.5’-3’	1/4/11	Soil	Table II
B-171 3’-6’	1/4/11	Soil	Table II
B-171 6’-9’	1/4/11	Soil	Table II

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
PCBs	3541	8082
Total Metals		
Arsenic	3050B	6010B
Barium	3050B	6010B
Cadmium	3050B	6010B
Chromium	3050B	6010B
Lead	3050B	6010B
Mercury	NA	7471A
Selenium	3050B	6010B
Silver	3050B	6010B

TABLE III, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Total Metals		
Arsenic	3050B	6010B
Barium	3050B	6010B
Cadmium	3050B	6010B
Chromium	3050B	6010B
Lead	3050B	6010B
Mercury	NA	7471A
Selenium	3050B	6010B
Silver	3050B	6010B

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.

CASE NARRATIVE:

Sample Receipt:

No trip blank was supplied. No field blank was supplied. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits.)

The samples were all appropriately cooled and preserved upon receipt. The samples for dissolved metals were filtered upon receipt to the laboratory.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

Metals:

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

A Matrix Spike/Matrix Spike Duplicate recovery for arsenic, barium, cadmium, chromium, mercury, and silver on sample B-168 (0.5'-1.5') was outside of method allowable QC limits due to matrix interference. The RPD, for arsenic was outside of method allowable QC limits due to matrix interference on sample B-168 (0.5'-1.5'). All other associated QC was within acceptable limits.

PCBs:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Due to samples "B-165(0.5'-1.5'), and B-165(1.5'-3')" exceeding the calibration range of the instrument, they were analyzed at a dilution. As a result, the surrogates were diluted out.

METALS RESULTS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Metals Analysis Department certifies that the results included in this section have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

New England Testing Laboratory, Inc.

METALS RESULTS

Case Number:	W0105-09
Sample ID:	B-162 0.5'-1.5'
Date collected:	1/3/11
Matrix	Soil
Solids, %	86.10
Sample Type:	Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	7.89	0.75	0.75	mg/kg	1/7/11	1/10/11
Barium	7440-39-3	3050B	6010B	55.4	0.38	0.38	mg/kg	1/7/11	1/10/11
Cadmium	7440-43-9	3050B	6010B	3.46	0.38	0.38	mg/kg	1/7/11	1/10/11
Chromium	7440-47-3	3050B	6010B	22.1	0.38	0.38	mg/kg	1/7/11	1/10/11
Lead	7439-92-1	3050B	6010B	437	0.38	0.38	mg/kg	1/7/11	1/10/11
Mercury	7439-97-6	NA	7471A	0.288	0.069	0.069	mg/kg	1/7/11	1/7/11
Selenium	7782-49-2	3050B	6010B	ND	0.75	0.75	mg/kg	1/7/11	1/10/11
Silver	7440-22-4	3050B	6010B	ND	0.38	0.38	mg/kg	1/7/11	1/10/11

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: W0105-09
Sample ID: B-162 1.5'-3'
Date collected: 1/3/11
Matrix Soil
Solids, % 96.97
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	10.9	0.65	0.65	mg/kg	1/7/11	1/10/11
Barium	7440-39-3	3050B	6010B	18.7	0.33	0.33	mg/kg	1/7/11	1/10/11
Cadmium	7440-43-9	3050B	6010B	ND	0.33	0.33	mg/kg	1/7/11	1/10/11
Chromium	7440-47-3	3050B	6010B	12.8	0.33	0.33	mg/kg	1/7/11	1/10/11
Lead	7439-92-1	3050B	6010B	8.06	0.33	0.33	mg/kg	1/7/11	1/10/11
Mercury	7439-97-6	NA	7471A	ND	0.058	0.058	mg/kg	1/7/11	1/7/11
Selenium	7782-49-2	3050B	6010B	ND	0.65	0.65	mg/kg	1/7/11	1/10/11
Silver	7440-22-4	3050B	6010B	ND	0.33	0.33	mg/kg	1/7/11	1/10/11

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number:	W0105-09
Sample ID:	B-162 3'-6'
Date collected:	1/3/11
Matrix	Soil
Solids, %	83.13
Sample Type:	Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	9.33	0.73	0.73	mg/kg	1/7/11	1/10/11
Barium	7440-39-3	3050B	6010B	16.9	0.36	0.36	mg/kg	1/7/11	1/10/11
Cadmium	7440-43-9	3050B	6010B	ND	0.36	0.36	mg/kg	1/7/11	1/10/11
Chromium	7440-47-3	3050B	6010B	8.97	0.36	0.36	mg/kg	1/7/11	1/10/11
Lead	7439-92-1	3050B	6010B	1.60	0.36	0.36	mg/kg	1/7/11	1/10/11
Mercury	7439-97-6	NA	7471A	ND	0.080	0.080	mg/kg	1/7/11	1/7/11
Selenium	7782-49-2	3050B	6010B	ND	0.73	0.73	mg/kg	1/7/11	1/10/11
Silver	7440-22-4	3050B	6010B	ND	0.36	0.36	mg/kg	1/7/11	1/10/11

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number:	W0105-09
Sample ID:	B-163 0.5'-1.5'
Date collected:	1/3/11
Matrix	Soil
Solids, %	77.38
Sample Type:	Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	10.1	0.77	0.77	mg/kg	1/7/11	1/10/11
Barium	7440-39-3	3050B	6010B	281	0.39	0.39	mg/kg	1/7/11	1/10/11
Cadmium	7440-43-9	3050B	6010B	65.3	0.39	0.39	mg/kg	1/7/11	1/10/11
Chromium	7440-47-3	3050B	6010B	189	0.39	0.39	mg/kg	1/7/11	1/10/11
Lead	7439-92-1	3050B	6010B	15400	38.67	0.39	mg/kg	1/7/11	1/10/11
Mercury	7439-97-6	NA	7471A	1.07	0.421	0.084	mg/kg	1/7/11	1/7/11
Selenium	7782-49-2	3050B	6010B	ND	0.77	0.77	mg/kg	1/7/11	1/10/11
Silver	7440-22-4	3050B	6010B	ND	0.39	0.39	mg/kg	1/7/11	1/10/11

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: W0105-09
Sample ID: B-163 1.5'-3'
Date collected: 1/3/11
Matrix Soil
Solids, % 88.18
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	6.89	0.72	0.72	mg/kg	1/7/11	1/10/11
Barium	7440-39-3	3050B	6010B	23.7	0.36	0.36	mg/kg	1/7/11	1/10/11
Cadmium	7440-43-9	3050B	6010B	ND	0.36	0.36	mg/kg	1/7/11	1/10/11
Chromium	7440-47-3	3050B	6010B	11.8	0.36	0.36	mg/kg	1/7/11	1/10/11
Lead	7439-92-1	3050B	6010B	16.1	0.36	0.36	mg/kg	1/7/11	1/10/11
Mercury	7439-97-6	NA	7471A	ND	0.067	0.067	mg/kg	1/7/11	1/7/11
Selenium	7782-49-2	3050B	6010B	ND	0.72	0.72	mg/kg	1/7/11	1/10/11
Silver	7440-22-4	3050B	6010B	ND	0.36	0.36	mg/kg	1/7/11	1/10/11

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: W0105-09
Sample ID: B-163 3'-6'
Date collected: 1/3/11
Matrix Soil
Solids, % 87.75
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	6.15	0.74	0.74	mg/kg	1/7/11	1/10/11
Barium	7440-39-3	3050B	6010B	24.1	0.37	0.37	mg/kg	1/7/11	1/10/11
Cadmium	7440-43-9	3050B	6010B	ND	0.37	0.37	mg/kg	1/7/11	1/10/11
Chromium	7440-47-3	3050B	6010B	15.3	0.37	0.37	mg/kg	1/7/11	1/10/11
Lead	7439-92-1	3050B	6010B	10.7	0.37	0.37	mg/kg	1/7/11	1/10/11
Mercury	7439-97-6	NA	7471A	ND	0.065	0.065	mg/kg	1/7/11	1/7/11
Selenium	7782-49-2	3050B	6010B	ND	0.74	0.74	mg/kg	1/7/11	1/10/11
Silver	7440-22-4	3050B	6010B	ND	0.37	0.37	mg/kg	1/7/11	1/10/11

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: W0105-09
Sample ID: B-164 0.5'-1.5'
Date collected: 1/3/11
Matrix Soil
Solids, % 80.24
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	11.1	0.81	0.81	mg/kg	1/7/11	1/10/11
Barium	7440-39-3	3050B	6010B	104	0.41	0.41	mg/kg	1/7/11	1/10/11
Cadmium	7440-43-9	3050B	6010B	6.08	0.41	0.41	mg/kg	1/7/11	1/10/11
Chromium	7440-47-3	3050B	6010B	25.9	0.41	0.41	mg/kg	1/7/11	1/10/11
Lead	7439-92-1	3050B	6010B	88400	40.54	0.41	mg/kg	1/7/11	1/10/11
Mercury	7439-97-6	NA	7471A	0.108	0.075	0.075	mg/kg	1/7/11	1/7/11
Selenium	7782-49-2	3050B	6010B	ND	0.81	0.81	mg/kg	1/7/11	1/10/11
Silver	7440-22-4	3050B	6010B	2.92	0.41	0.41	mg/kg	1/7/11	1/10/11

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: W0105-09
Sample ID: B-164 1.5'-3'
Date collected: 1/3/11
Matrix Soil
Solids, % 91.75
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	5.08	0.60	0.60	mg/kg	1/7/11	1/10/11
Barium	7440-39-3	3050B	6010B	18.1	0.30	0.30	mg/kg	1/7/11	1/10/11
Cadmium	7440-43-9	3050B	6010B	ND	0.30	0.30	mg/kg	1/7/11	1/10/11
Chromium	7440-47-3	3050B	6010B	12.4	0.30	0.30	mg/kg	1/7/11	1/10/11
Lead	7439-92-1	3050B	6010B	15.6	0.30	0.30	mg/kg	1/7/11	1/10/11
Mercury	7439-97-6	NA	7471A	ND	0.068	0.068	mg/kg	1/7/11	1/7/11
Selenium	7782-49-2	3050B	6010B	ND	0.60	0.60	mg/kg	1/7/11	1/10/11
Silver	7440-22-4	3050B	6010B	ND	0.30	0.30	mg/kg	1/7/11	1/10/11

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: W0105-09
Sample ID: B-164 3'-6'
Date collected: 1/3/11
Matrix Soil
Solids, % 94.62
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	6.95	0.66	0.66	mg/kg	1/7/11	1/10/11
Barium	7440-39-3	3050B	6010B	12.6	0.33	0.33	mg/kg	1/7/11	1/10/11
Cadmium	7440-43-9	3050B	6010B	ND	0.33	0.33	mg/kg	1/7/11	1/10/11
Chromium	7440-47-3	3050B	6010B	8.85	0.33	0.33	mg/kg	1/7/11	1/10/11
Lead	7439-92-1	3050B	6010B	4.33	0.33	0.33	mg/kg	1/7/11	1/10/11
Mercury	7439-97-6	NA	7471A	ND	0.060	0.060	mg/kg	1/7/11	1/7/11
Selenium	7782-49-2	3050B	6010B	ND	0.66	0.66	mg/kg	1/7/11	1/10/11
Silver	7440-22-4	3050B	6010B	ND	0.33	0.33	mg/kg	1/7/11	1/10/11

ND indicates not Detected

All results are reported on a dry weight basis.

Case Number: W0105-09
Sample ID: B-165 0.5'-1.5'
Date collected: 1/3/11
Matrix Soil
Solids, % 90.03
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	14.9	0.73	0.73	mg/kg	1/7/11	1/10/11
Barium	7440-39-3	3050B	6010B	952	36.3	0.36	mg/kg	1/7/11	1/10/11
Cadmium	7440-43-9	3050B	6010B	26.8	0.36	0.36	mg/kg	1/7/11	1/10/11
Chromium	7440-47-3	3050B	6010B	690	36.3	0.36	mg/kg	1/7/11	1/10/11
Lead	7439-92-1	3050B	6010B	3940	36.3	0.36	mg/kg	1/7/11	1/10/11
Mercury	7439-97-6	NA	7471A	0.618	0.071	0.071	mg/kg	1/7/11	1/7/11
Selenium	7782-49-2	3050B	6010B	ND	0.73	0.73	mg/kg	1/7/11	1/10/11
Silver	7440-22-4	3050B	6010B	ND	0.36	0.36	mg/kg	1/7/11	1/10/11

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: W0105-09
Sample ID: B-165 1.5'-3'
Date collected: 1/3/11
Matrix Soil
Solids, % 90.48
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	13.5	0.72	0.72	mg/kg	1/7/11	1/10/11
Barium	7440-39-3	3050B	6010B	782	36.2	0.36	mg/kg	1/7/11	1/10/11
Cadmium	7440-43-9	3050B	6010B	60.2	0.36	0.36	mg/kg	1/7/11	1/10/11
Chromium	7440-47-3	3050B	6010B	369	0.36	0.36	mg/kg	1/7/11	1/10/11
Lead	7439-92-1	3050B	6010B	19000	36.2	0.36	mg/kg	1/7/11	1/10/11
Mercury	7439-97-6	NA	7471A	1.96	0.312	0.062	mg/kg	1/7/11	1/7/11
Selenium	7782-49-2	3050B	6010B	ND	0.72	0.72	mg/kg	1/7/11	1/10/11
Silver	7440-22-4	3050B	6010B	ND	0.36	0.36	mg/kg	1/7/11	1/10/11

ND indicates not Detected

All results are reported on a dry weight basis.

Case Number: W0105-09
Sample ID: B-165 3'-6'
Date collected: 1/3/11
Matrix Soil
Solids, % 81.34
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	2.98	0.80	0.80	mg/kg	1/7/11	1/10/11
Barium	7440-39-3	3050B	6010B	22.2	0.40	0.40	mg/kg	1/7/11	1/10/11
Cadmium	7440-43-9	3050B	6010B	ND	0.40	0.40	mg/kg	1/7/11	1/10/11
Chromium	7440-47-3	3050B	6010B	16.2	0.40	0.40	mg/kg	1/7/11	1/10/11
Lead	7439-92-1	3050B	6010B	22.4	0.40	0.40	mg/kg	1/7/11	1/10/11
Mercury	7439-97-6	NA	7471A	ND	0.075	0.075	mg/kg	1/7/11	1/7/11
Selenium	7782-49-2	3050B	6010B	ND	0.80	0.80	mg/kg	1/7/11	1/10/11
Silver	7440-22-4	3050B	6010B	ND	0.40	0.40	mg/kg	1/7/11	1/10/11

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number:	W0105-09
Sample ID:	B-166 0.5'-1.5'
Date collected:	1/3/11
Matrix	Soil
Solids, %	78.64
Sample Type:	Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	12.0	0.85	0.85	mg/kg	1/7/11	1/10/11
Barium	7440-39-3	3050B	6010B	999	0.42	0.42	mg/kg	1/7/11	1/10/11
Cadmium	7440-43-9	3050B	6010B	52.7	0.42	0.42	mg/kg	1/7/11	1/10/11
Chromium	7440-47-3	3050B	6010B	311	0.42	0.42	mg/kg	1/7/11	1/10/11
Lead	7439-92-1	3050B	6010B	6410	4.23	0.42	mg/kg	1/7/11	1/10/11
Mercury	7439-97-6	NA	7471A	0.801	0.374	0.075	mg/kg	1/7/11	1/7/11
Selenium	7782-49-2	3050B	6010B	ND	0.85	0.85	mg/kg	1/7/11	1/10/11
Silver	7440-22-4	3050B	6010B	ND	0.42	0.42	mg/kg	1/7/11	1/10/11

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: W0105-09
Sample ID: B-166 1.5'-3'
Date collected: 1/3/11
Matrix Soil
Solids, % 90.28
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	12.7	0.69	0.69	mg/kg	1/7/11	1/10/11
Barium	7440-39-3	3050B	6010B	80.9	0.34	0.34	mg/kg	1/7/11	1/10/11
Cadmium	7440-43-9	3050B	6010B	8.57	0.34	0.34	mg/kg	1/7/11	1/10/11
Chromium	7440-47-3	3050B	6010B	15.0	0.34	0.34	mg/kg	1/7/11	1/10/11
Lead	7439-92-1	3050B	6010B	10500	3.43	0.34	mg/kg	1/7/11	1/10/11
Mercury	7439-97-6	NA	7471A	0.135	0.069	0.069	mg/kg	1/7/11	1/7/11
Selenium	7782-49-2	3050B	6010B	ND	0.69	0.69	mg/kg	1/7/11	1/10/11
Silver	7440-22-4	3050B	6010B	ND	0.34	0.34	mg/kg	1/7/11	1/10/11

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: W0105-09
Sample ID: B-166 3'-6'
Date collected: 1/3/11
Matrix Soil
Solids, % 86.31
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	8.93	0.73	0.73	mg/kg	1/7/11	1/10/11
Barium	7440-39-3	3050B	6010B	15.0	0.36	0.36	mg/kg	1/7/11	1/10/11
Cadmium	7440-43-9	3050B	6010B	ND	0.36	0.36	mg/kg	1/7/11	1/10/11
Chromium	7440-47-3	3050B	6010B	9.66	0.36	0.36	mg/kg	1/7/11	1/10/11
Lead	7439-92-1	3050B	6010B	7.19	0.36	0.36	mg/kg	1/7/11	1/10/11
Mercury	7439-97-6	NA	7471A	ND	0.070	0.070	mg/kg	1/7/11	1/7/11
Selenium	7782-49-2	3050B	6010B	ND	0.73	0.73	mg/kg	1/7/11	1/10/11
Silver	7440-22-4	3050B	6010B	ND	0.36	0.36	mg/kg	1/7/11	1/10/11

ND indicates not Detected

All results are reported on a dry weight basis.

Case Number:	W0105-09
Sample ID:	B-167 0.5'-1.5'
Date collected:	1/3/11
Matrix	Soil
Solids, %	69.47
Sample Type:	Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	19.6	0.82	0.82	mg/kg	1/10/11	1/11/11
Barium	7440-39-3	3050B	6010B	179	0.41	0.41	mg/kg	1/10/11	1/11/11
Cadmium	7440-43-9	3050B	6010B	104	0.41	0.41	mg/kg	1/10/11	1/11/11
Chromium	7440-47-3	3050B	6010B	94.4	0.41	0.41	mg/kg	1/10/11	1/11/11
Lead	7439-92-1	3050B	6010B	5410	0.41	0.41	mg/kg	1/10/11	1/11/11
Mercury	7439-97-6	NA	7471A	1.76	0.456	0.091	mg/kg	1/10/11	1/10/11
Selenium	7782-49-2	3050B	6010B	ND	0.82	0.82	mg/kg	1/10/11	1/11/11
Silver	7440-22-4	3050B	6010B	ND	0.41	0.41	mg/kg	1/10/11	1/11/11

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: W0105-09
Sample ID: B-167 1.5'-3'
Date collected: 1/3/11
Matrix Soil
Solids, % 82.31
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	11.3	0.78	0.78	mg/kg	1/10/11	1/11/11
Barium	7440-39-3	3050B	6010B	78.0	0.39	0.39	mg/kg	1/10/11	1/11/11
Cadmium	7440-43-9	3050B	6010B	0.47	0.39	0.39	mg/kg	1/10/11	1/11/11
Chromium	7440-47-3	3050B	6010B	15.6	0.39	0.39	mg/kg	1/10/11	1/11/11
Lead	7439-92-1	3050B	6010B	230	0.39	0.39	mg/kg	1/10/11	1/11/11
Mercury	7439-97-6	NA	7471A	0.158	0.081	0.081	mg/kg	1/10/11	1/10/11
Selenium	7782-49-2	3050B	6010B	ND	0.78	0.78	mg/kg	1/10/11	1/11/11
Silver	7440-22-4	3050B	6010B	ND	0.39	0.39	mg/kg	1/10/11	1/11/11

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: W0105-09
Sample ID: B-167 3'-6'
Date collected: 1/3/11
Matrix Soil
Solids, % 62.53
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	15.5	0.85	0.85	mg/kg	1/10/11	1/11/11
Barium	7440-39-3	3050B	6010B	102	0.42	0.42	mg/kg	1/10/11	1/11/11
Cadmium	7440-43-9	3050B	6010B	5.95	0.42	0.42	mg/kg	1/10/11	1/11/11
Chromium	7440-47-3	3050B	6010B	33.5	0.42	0.42	mg/kg	1/10/11	1/11/11
Lead	7439-92-1	3050B	6010B	546	0.42	0.42	mg/kg	1/10/11	1/11/11
Mercury	7439-97-6	NA	7471A	0.135	0.106	0.106	mg/kg	1/10/11	1/10/11
Selenium	7782-49-2	3050B	6010B	ND	0.85	0.85	mg/kg	1/10/11	1/11/11
Silver	7440-22-4	3050B	6010B	ND	0.42	0.42	mg/kg	1/10/11	1/11/11

ND indicates not Detected

All results are reported on a dry weight basis.

Case Number: W0105-09
Sample ID: B-167 6'-9'
Date collected: 1/3/11
Matrix Soil
Solids, % 62.29
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	4.78	0.81	0.81	mg/kg	1/10/11	1/11/11
Barium	7440-39-3	3050B	6010B	29.2	0.40	0.40	mg/kg	1/10/11	1/11/11
Cadmium	7440-43-9	3050B	6010B	ND	0.40	0.40	mg/kg	1/10/11	1/11/11
Chromium	7440-47-3	3050B	6010B	15.1	0.40	0.40	mg/kg	1/10/11	1/11/11
Lead	7439-92-1	3050B	6010B	28.4	0.40	0.40	mg/kg	1/10/11	1/11/11
Mercury	7439-97-6	NA	7471A	ND	0.101	0.101	mg/kg	1/10/11	1/10/11
Selenium	7782-49-2	3050B	6010B	ND	0.81	0.81	mg/kg	1/10/11	1/11/11
Silver	7440-22-4	3050B	6010B	ND	0.40	0.40	mg/kg	1/10/11	1/11/11

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number:	W0105-09
Sample ID:	B-168 0.5'-1.5'
Date collected:	1/4/11
Matrix	Soil
Solids, %	88.70
Sample Type:	Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	12.8	0.71	0.71	mg/kg	1/6/11	1/7/11
Barium	7440-39-3	3050B	6010B	60.1	0.36	0.36	mg/kg	1/6/11	1/7/11
Cadmium	7440-43-9	3050B	6010B	20.7	0.36	0.36	mg/kg	1/6/11	1/7/11
Chromium	7440-47-3	3050B	6010B	24.5	0.36	0.36	mg/kg	1/6/11	1/7/11
Lead	7439-92-1	3050B	6010B	4140	0.36	0.36	mg/kg	1/6/11	1/7/11
Mercury	7439-97-6	NA	7471A	0.130	0.072	0.072	mg/kg	1/10/11	1/10/11
Selenium	7782-49-2	3050B	6010B	ND	0.71	0.71	mg/kg	1/6/11	1/7/11
Silver	7440-22-4	3050B	6010B	ND	0.36	0.36	mg/kg	1/6/11	1/7/11

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: W0105-09
Sample ID: B-168 0.5'-1.5' MS
Date collected: 1/4/11
Matrix Soil
Solids, % 88.70
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	21.1	0.75	0.75	mg/kg	1/6/11	1/7/11
Barium	7440-39-3	3050B	6010B	110	0.37	0.37	mg/kg	1/6/11	1/7/11
Cadmium	7440-43-9	3050B	6010B	69.5	0.37	0.37	mg/kg	1/6/11	1/7/11
Chromium	7440-47-3	3050B	6010B	80.7	0.37	0.37	mg/kg	1/6/11	1/7/11
Lead	7439-92-1	3050B	6010B	4200	0.37	0.37	mg/kg	1/6/11	1/7/11
Mercury	7439-97-6	NA	7471A	0.333	0.074	0.074	mg/kg	1/10/11	1/10/11
Selenium	7782-49-2	3050B	6010B	12.0	0.75	0.75	mg/kg	1/6/11	1/7/11
Silver	7440-22-4	3050B	6010B	19.0	0.37	0.37	mg/kg	1/6/11	1/7/11

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: W0105-09
Sample ID: B-168 0.5'-1.5' MSD
Date collected: 1/4/11
Matrix Soil
Solids, % 88.70
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	24.6	0.74	0.74	mg/kg	1/6/11	1/7/11
Barium	7440-39-3	3050B	6010B	108	0.37	0.37	mg/kg	1/6/11	1/7/11
Cadmium	7440-43-9	3050B	6010B	79.1	0.37	0.37	mg/kg	1/6/11	1/7/11
Chromium	7440-47-3	3050B	6010B	76.9	0.37	0.37	mg/kg	1/6/11	1/7/11
Lead	7439-92-1	3050B	6010B	4210	0.37	0.37	mg/kg	1/6/11	1/7/11
Mercury	7439-97-6	NA	7471A	0.340	0.075	0.075	mg/kg	1/10/11	1/10/11
Selenium	7782-49-2	3050B	6010B	13.3	0.74	0.74	mg/kg	1/6/11	1/7/11
Silver	7440-22-4	3050B	6010B	18.5	0.37	0.37	mg/kg	1/6/11	1/7/11

ND indicates not Detected

All results are reported on a dry weight basis.

MATRIX SPIKE RESULTS

Sample: W0105-09 B-168 0.5'-1.5'

Parameter	Sample Result	MS Fortification	MS Spike Result	Recovery, %	MSD Fortification	MSD Spike Result	Recovery, %	Units	RPD, %	Limit	Recovery Limits
Arsenic	12.5	13.3	21.1	**65**	13.3	24.6	**91**	mg/kg	**33.82**	**20**	**75-125**
Barium	60.1	66.7	110	**75**	66.7	108	**72**	mg/kg	**4.09**	**20**	**75-125**
Cadmium	20.7	66.7	69.5	**73**	66.7	79.1	**88**	mg/kg	**17.91**	**20**	**75-125**
Chromium	24.5	66.7	80.7	**84**	66.7	76.9	**79**	mg/kg	**7.00**	**20**	**75-125**
Lead	4140	66.7	4200	**90**	66.7	4210	**105**	mg/kg	**15.38**	**20**	**75-125**
Mercury	0.130	0.133	0.333	**153**	0.133	0.34	**158**	mg/kg	**3.39**	**20**	**75-125**
Selenium	0	13.3	12	**90**	13.3	13.3	**100**	mg/kg	**10.28**	**20**	**75-125**
Silver	0	33.3	19	**57**	33.3	18.5	**56**	mg/kg	**2.67**	**20**	**75-125**

Note: A spike recovery is not reported when the original sample concentration is significantly above the fortification amount.

Comments:

METALS RESULTS

Case Number: W0105-09
Sample ID: B-168 1.5'-3'
Date collected: 1/4/11
Matrix Soil
Solids, % 78.23
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	11.5	0.78	0.78	mg/kg	1/6/11	1/7/11
Barium	7440-39-3	3050B	6010B	51.3	0.39	0.39	mg/kg	1/6/11	1/7/11
Cadmium	7440-43-9	3050B	6010B	0.55	0.39	0.39	mg/kg	1/6/11	1/7/11
Chromium	7440-47-3	3050B	6010B	16.3	0.39	0.39	mg/kg	1/6/11	1/7/11
Lead	7439-92-1	3050B	6010B	90.1	0.39	0.39	mg/kg	1/6/11	1/7/11
Mercury	7439-97-6	NA	7471A	0.127	0.077	0.077	mg/kg	1/10/11	1/10/11
Selenium	7782-49-2	3050B	6010B	ND	0.78	0.78	mg/kg	1/6/11	1/7/11
Silver	7440-22-4	3050B	6010B	ND	0.39	0.39	mg/kg	1/6/11	1/7/11

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: W0105-09
Sample ID: B-168 3'-6'
Date collected: 1/4/11
Matrix Soil
Solids, % 74.66
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	11.3	0.85	0.85	mg/kg	1/6/11	1/7/11
Barium	7440-39-3	3050B	6010B	39.1	0.43	0.43	mg/kg	1/6/11	1/7/11
Cadmium	7440-43-9	3050B	6010B	ND	0.43	0.43	mg/kg	1/6/11	1/7/11
Chromium	7440-47-3	3050B	6010B	16.4	0.43	0.43	mg/kg	1/6/11	1/7/11
Lead	7439-92-1	3050B	6010B	17.8	0.43	0.43	mg/kg	1/6/11	1/7/11
Mercury	7439-97-6	NA	7471A	0.150	0.078	0.078	mg/kg	1/10/11	1/10/11
Selenium	7782-49-2	3050B	6010B	ND	0.85	0.85	mg/kg	1/6/11	1/7/11
Silver	7440-22-4	3050B	6010B	ND	0.43	0.43	mg/kg	1/6/11	1/7/11

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: W0105-09
Sample ID: B-168 6'-9'
Date collected: 1/4/11
Matrix Soil
Solids, % 80.49
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	3.22	0.75	0.75	mg/kg	1/6/11	1/7/11
Barium	7440-39-3	3050B	6010B	27.3	0.37	0.37	mg/kg	1/6/11	1/7/11
Cadmium	7440-43-9	3050B	6010B	ND	0.37	0.37	mg/kg	1/6/11	1/7/11
Chromium	7440-47-3	3050B	6010B	11.5	0.37	0.37	mg/kg	1/6/11	1/7/11
Lead	7439-92-1	3050B	6010B	8.54	0.37	0.37	mg/kg	1/6/11	1/7/11
Mercury	7439-97-6	NA	7471A	ND	0.070	0.070	mg/kg	1/10/11	1/10/11
Selenium	7782-49-2	3050B	6010B	ND	0.75	0.75	mg/kg	1/6/11	1/7/11
Silver	7440-22-4	3050B	6010B	ND	0.37	0.37	mg/kg	1/6/11	1/7/11

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number:	W0105-09
Sample ID:	B-169 0.5'-1.5'
Date collected:	1/4/11
Matrix	Soil
Solids, %	87.53
Sample Type:	Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	19.3	0.71	0.71	mg/kg	1/6/11	1/7/11
Barium	7440-39-3	3050B	6010B	204	0.35	0.35	mg/kg	1/6/11	1/7/11
Cadmium	7440-43-9	3050B	6010B	22.2	0.35	0.35	mg/kg	1/6/11	1/7/11
Chromium	7440-47-3	3050B	6010B	76.2	0.35	0.35	mg/kg	1/6/11	1/7/11
Lead	7439-92-1	3050B	6010B	22200	3.53	0.35	mg/kg	1/6/11	1/7/11
Mercury	7439-97-6	NA	7471A	11.1	1.470	0.073	mg/kg	1/10/11	1/10/11
Selenium	7782-49-2	3050B	6010B	ND	0.71	0.71	mg/kg	1/6/11	1/7/11
Silver	7440-22-4	3050B	6010B	ND	0.35	0.35	mg/kg	1/6/11	1/7/11

ND indicates not Detected

All results are reported on a dry weight basis.

Case Number: W0105-09
Sample ID: B-169 1.5'-3'
Date collected: 1/4/11
Matrix Soil
Solids, % 90.23
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	9.06	0.69	0.69	mg/kg	1/6/11	1/7/11
Barium	7440-39-3	3050B	6010B	45.2	0.35	0.35	mg/kg	1/6/11	1/7/11
Cadmium	7440-43-9	3050B	6010B	ND	0.35	0.35	mg/kg	1/6/11	1/7/11
Chromium	7440-47-3	3050B	6010B	16.7	0.35	0.35	mg/kg	1/6/11	1/7/11
Lead	7439-92-1	3050B	6010B	45.0	0.35	0.35	mg/kg	1/6/11	1/7/11
Mercury	7439-97-6	NA	7471A	0.202	0.070	0.070	mg/kg	1/10/11	1/10/11
Selenium	7782-49-2	3050B	6010B	ND	0.69	0.69	mg/kg	1/6/11	1/7/11
Silver	7440-22-4	3050B	6010B	ND	0.35	0.35	mg/kg	1/6/11	1/7/11

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: W0105-09
Sample ID: B-169 3'-6'
Date collected: 1/4/11
Matrix Soil
Solids, % 87.03
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	9.27	0.76	0.76	mg/kg	1/6/11	1/7/11
Barium	7440-39-3	3050B	6010B	43.4	0.38	0.38	mg/kg	1/6/11	1/7/11
Cadmium	7440-43-9	3050B	6010B	ND	0.38	0.38	mg/kg	1/6/11	1/7/11
Chromium	7440-47-3	3050B	6010B	19.8	0.38	0.38	mg/kg	1/6/11	1/7/11
Lead	7439-92-1	3050B	6010B	58.0	0.38	0.38	mg/kg	1/6/11	1/7/11
Mercury	7439-97-6	NA	7471A	0.139	0.072	0.072	mg/kg	1/10/11	1/10/11
Selenium	7782-49-2	3050B	6010B	ND	0.76	0.76	mg/kg	1/6/11	1/7/11
Silver	7440-22-4	3050B	6010B	ND	0.38	0.38	mg/kg	1/6/11	1/7/11

ND indicates not Detected

All results are reported on a dry weight basis.

Case Number:	W0105-09
Sample ID:	B-170 0.5'-1.5'
Date collected:	1/4/11
Matrix	Soil
Solids, %	89.53
Sample Type:	Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	10.4	0.67	0.67	mg/kg	1/6/11	1/7/11
Barium	7440-39-3	3050B	6010B	145	0.33	0.33	mg/kg	1/6/11	1/7/11
Cadmium	7440-43-9	3050B	6010B	8.78	0.33	0.33	mg/kg	1/6/11	1/7/11
Chromium	7440-47-3	3050B	6010B	60.7	0.33	0.33	mg/kg	1/6/11	1/7/11
Lead	7439-92-1	3050B	6010B	27800	3.33	0.33	mg/kg	1/6/11	1/7/11
Mercury	7439-97-6	NA	7471A	0.320	0.074	0.074	mg/kg	1/10/11	1/10/11
Selenium	7782-49-2	3050B	6010B	ND	0.67	0.67	mg/kg	1/6/11	1/7/11
Silver	7440-22-4	3050B	6010B	ND	0.33	0.33	mg/kg	1/6/11	1/7/11

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: W0105-09
Sample ID: B-170 1.5'-3'
Date collected: 1/4/11
Matrix Soil
Solids, % 96.88
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	28.6	0.59	0.59	mg/kg	1/6/11	1/7/11
Barium	7440-39-3	3050B	6010B	64.3	0.29	0.29	mg/kg	1/6/11	1/7/11
Cadmium	7440-43-9	3050B	6010B	3.01	0.29	0.29	mg/kg	1/6/11	1/7/11
Chromium	7440-47-3	3050B	6010B	34.1	0.29	0.29	mg/kg	1/6/11	1/7/11
Lead	7439-92-1	3050B	6010B	10300	2.95	0.29	mg/kg	1/6/11	1/7/11
Mercury	7439-97-6	NA	7471A	0.143	0.062	0.062	mg/kg	1/10/11	1/10/11
Selenium	7782-49-2	3050B	6010B	ND	0.59	0.59	mg/kg	1/6/11	1/7/11
Silver	7440-22-4	3050B	6010B	ND	0.29	0.29	mg/kg	1/6/11	1/7/11

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number:	W0105-09
Sample ID:	B-170 3'-6'
Date collected:	1/4/11
Matrix	Soil
Solids, %	87.29
Sample Type:	Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	11.5	0.65	0.65	mg/kg	1/6/11	1/7/11
Barium	7440-39-3	3050B	6010B	36.3	0.32	0.32	mg/kg	1/6/11	1/7/11
Cadmium	7440-43-9	3050B	6010B	0.71	0.32	0.32	mg/kg	1/6/11	1/7/11
Chromium	7440-47-3	3050B	6010B	17.7	0.32	0.32	mg/kg	1/6/11	1/7/11
Lead	7439-92-1	3050B	6010B	176	0.32	0.32	mg/kg	1/6/11	1/7/11
Mercury	7439-97-6	NA	7471A	0.137	0.067	0.067	mg/kg	1/10/11	1/10/11
Selenium	7782-49-2	3050B	6010B	ND	0.65	0.65	mg/kg	1/6/11	1/7/11
Silver	7440-22-4	3050B	6010B	ND	0.32	0.32	mg/kg	1/6/11	1/7/11

ND indicates not Detected

All results are reported on a dry weight basis.

Case Number: W0105-09
Sample ID: B-171 0.5'-1.5'
Date collected: 1/4/11
Matrix Soil
Solids, % 90.55
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	14.6	0.69	0.69	mg/kg	1/10/11	1/11/11
Barium	7440-39-3	3050B	6010B	279	0.34	0.34	mg/kg	1/10/11	1/11/11
Cadmium	7440-43-9	3050B	6010B	39.3	0.34	0.34	mg/kg	1/10/11	1/11/11
Chromium	7440-47-3	3050B	6010B	166	0.34	0.34	mg/kg	1/10/11	1/11/11
Lead	7439-92-1	3050B	6010B	88200	3.44	0.34	mg/kg	1/10/11	1/11/11
Mercury	7439-97-6	NA	7471A	4.67	0.714	0.071	mg/kg	1/11/11	1/11/11
Selenium	7782-49-2	3050B	6010B	ND	0.69	0.69	mg/kg	1/10/11	1/11/11
Silver	7440-22-4	3050B	6010B	2.55	0.34	0.34	mg/kg	1/10/11	1/11/11

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: W0105-09
Sample ID: B-171 1.5'-3'
Date collected: 1/4/11
Matrix Soil
Solids, % 86.65
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	12.3	0.70	0.70	mg/kg	1/10/11	1/11/11
Barium	7440-39-3	3050B	6010B	177	0.35	0.35	mg/kg	1/10/11	1/11/11
Cadmium	7440-43-9	3050B	6010B	11.4	0.35	0.35	mg/kg	1/10/11	1/11/11
Chromium	7440-47-3	3050B	6010B	31.4	0.35	0.35	mg/kg	1/10/11	1/11/11
Lead	7439-92-1	3050B	6010B	4560	0.35	0.35	mg/kg	1/10/11	1/11/11
Mercury	7439-97-6	NA	7471A	45.3	7.623	0.076	mg/kg	1/11/11	1/11/11
Selenium	7782-49-2	3050B	6010B	ND	0.70	0.70	mg/kg	1/10/11	1/11/11
Silver	7440-22-4	3050B	6010B	ND	0.35	0.35	mg/kg	1/10/11	1/11/11

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: W0105-09
Sample ID: B-171 3'-6'
Date collected: 1/4/11
Matrix Soil
Solids, % 88.89
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	8.58	0.73	0.73	mg/kg	1/10/11	1/11/11
Barium	7440-39-3	3050B	6010B	17.0	0.36	0.36	mg/kg	1/10/11	1/11/11
Cadmium	7440-43-9	3050B	6010B	ND	0.36	0.36	mg/kg	1/10/11	1/11/11
Chromium	7440-47-3	3050B	6010B	13.7	0.36	0.36	mg/kg	1/10/11	1/11/11
Lead	7439-92-1	3050B	6010B	40.6	0.36	0.36	mg/kg	1/10/11	1/11/11
Mercury	7439-97-6	NA	7471A	ND	0.073	0.073	mg/kg	1/11/11	1/11/11
Selenium	7782-49-2	3050B	6010B	ND	0.73	0.73	mg/kg	1/10/11	1/11/11
Silver	7440-22-4	3050B	6010B	ND	0.36	0.36	mg/kg	1/10/11	1/11/11

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number:	W0105-09
Sample ID:	B-171 6'-9'
Date collected:	1/4/11
Matrix	Soil
Solids, %	92.98
Sample Type:	Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	8.22	0.60	0.60	mg/kg	1/10/11	1/11/11
Barium	7440-39-3	3050B	6010B	17.5	0.30	0.30	mg/kg	1/10/11	1/11/11
Cadmium	7440-43-9	3050B	6010B	0.357	0.30	0.30	mg/kg	1/10/11	1/11/11
Chromium	7440-47-3	3050B	6010B	12.0	0.30	0.30	mg/kg	1/10/11	1/11/11
Lead	7439-92-1	3050B	6010B	52.7	0.30	0.30	mg/kg	1/10/11	1/11/11
Mercury	7439-97-6	NA	7471A	ND	0.069	0.069	mg/kg	1/11/11	1/11/11
Selenium	7782-49-2	3050B	6010B	ND	0.60	0.60	mg/kg	1/10/11	1/11/11
Silver	7440-22-4	3050B	6010B	ND	0.30	0.30	mg/kg	1/10/11	1/11/11

ND indicates not Detected

All results are reported on a dry weight basis.

Sample ID: Preparation Blank
Matrix SOIL
Solids, % 100
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	ND	0.67	0.67	mg/kg	1/7/11	1/10/11
Barium	7440-39-3	3050B	6010B	ND	0.33	0.33	mg/kg	1/7/11	1/10/11
Cadmium	7440-43-9	3050B	6010B	ND	0.33	0.33	mg/kg	1/7/11	1/10/11
Chromium	7440-47-3	3050B	6010B	ND	0.33	0.33	mg/kg	1/7/11	1/10/11
Lead	7439-92-1	3050B	6010B	ND	0.33	0.33	mg/kg	1/7/11	1/10/11
Mercury	7439-97-6	NA	7471A	ND	0.067	0.067	mg/kg	1/7/11	1/7/11
Selenium	7782-49-2	3050B	6010B	ND	0.67	0.67	mg/kg	1/7/11	1/10/11
Silver	7440-22-4	3050B	6010B	ND	0.33	0.33	mg/kg	1/7/11	1/10/11

ND indicates not Detected

All results are reported on a dry weight basis.

LABORATORY CONTROL SAMPLE RECOVERY

Parameter	True Value	Result	Units	Recovery, %	Internal LCL, %	Internal UCL, %	Date Analyzed
Arsenic	13.3	10.7	mg/kg	80	80	108	1/10/11
Barium	66.7	65.3	mg/kg	98	80	112	1/10/11
Cadmium	66.7	58.7	mg/kg	88	80	110	1/10/11
Chromium	66.7	57.3	mg/kg	86	80	114	1/10/11
Lead	66.7	64.0	mg/kg	96	80	114	1/10/11
Mercury	0.133	0.133	mg/kg	100	80	120	1/7/11
Selenium	13.3	11.3	mg/kg	85	80	111	1/10/11
Silver	33.3	26.7	mg/kg	80	80	120	1/10/11

Sample ID: Preparation Blank
Matrix SOIL
Solids, % 100
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	ND	0.67	0.67	mg/kg	1/6/11	1/7/11
Barium	7440-39-3	3050B	6010B	ND	0.33	0.33	mg/kg	1/6/11	1/7/11
Cadmium	7440-43-9	3050B	6010B	ND	0.33	0.33	mg/kg	1/6/11	1/7/11
Chromium	7440-47-3	3050B	6010B	ND	0.33	0.33	mg/kg	1/6/11	1/7/11
Lead	7439-92-1	3050B	6010B	ND	0.33	0.33	mg/kg	1/6/11	1/7/11
Mercury	7439-97-6	NA	7471A	ND	0.067	0.067	mg/kg	1/10/11	1/10/11
Selenium	7782-49-2	3050B	6010B	ND	0.67	0.67	mg/kg	1/6/11	1/7/11
Silver	7440-22-4	3050B	6010B	ND	0.33	0.33	mg/kg	1/6/11	1/7/11

ND indicates not Detected

All results are reported on a dry weight basis.

LABORATORY CONTROL SAMPLE RECOVERY

Parameter	True Value	Result	Units	Recovery, %	Internal LCL, %	Internal UCL, %	Date Analyzed
Arsenic	13.3	11.1	mg/kg	83	80	108	1/7/11
Barium	66.7	65.0	mg/kg	97	80	112	1/7/11
Cadmium	66.7	56.0	mg/kg	84	80	110	1/7/11
Chromium	66.7	59.3	mg/kg	89	80	114	1/7/11
Lead	66.7	58.7	mg/kg	88	80	114	1/7/11
Mercury	0.133	0.133	mg/kg	100	80	120	1/10/11
Selenium	13.3	10.7	mg/kg	80	80	111	1/7/11
Silver	33.3	26.7	mg/kg	80	80	120	1/7/11

Sample ID: Preparation Blank
Matrix SOIL
Solids, % 100
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	ND	0.67	0.67	mg/kg	1/10/11	1/11/11
Barium	7440-39-3	3050B	6010B	ND	0.33	0.33	mg/kg	1/10/11	1/11/11
Cadmium	7440-43-9	3050B	6010B	ND	0.33	0.33	mg/kg	1/10/11	1/11/11
Chromium	7440-47-3	3050B	6010B	ND	0.33	0.33	mg/kg	1/10/11	1/11/11
Lead	7439-92-1	3050B	6010B	ND	0.33	0.33	mg/kg	1/10/11	1/11/11
Mercury	7439-97-6	NA	7471A	ND	0.067	0.067	mg/kg	1/11/11	1/11/11
Selenium	7782-49-2	3050B	6010B	ND	0.67	0.67	mg/kg	1/10/11	1/11/11
Silver	7440-22-4	3050B	6010B	ND	0.33	0.33	mg/kg	1/10/11	1/11/11

ND indicates not Detected

All results are reported on a dry weight basis.

LABORATORY CONTROL SAMPLE RECOVERY

Parameter	True Value	Result	Units	Recovery, %	Internal LCL, %	Internal UCL, %	Date Analyzed
Arsenic	13.3	10.7	mg/kg	80	80	108	1/11/11
Barium	66.7	63.9	mg/kg	96	80	112	1/11/11
Cadmium	66.7	61.1	mg/kg	92	80	110	1/11/11
Chromium	66.7	58.9	mg/kg	88	80	114	1/11/11
Lead	66.7	58.8	mg/kg	88	80	114	1/11/11
Mercury	0.133	0.133	mg/kg	100	80	120	1/11/11
Selenium	13.3	10.7	mg/kg	80	80	111	1/11/11
Silver	33.3	30.0	mg/kg	90	80	120	1/11/11

RESULTS: PCBs

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

Sample: B-162 0.5'-1.5'		Analyst's Initials: NS
Case No.: W0105-09		
Date Collected: 1/3/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/6/11	1/7/11
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	5,470	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	68	39-120
DCBP	86	34-140

*Dry Weight Basis

Sample: B-162 1.5'-3'		Analyst's Initials: NS
Case No.: W0105-09		
Date Collected: 1/3/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/6/11	1/7/11
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	230	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	65	39-120
DCBP	68	34-140

*Dry Weight Basis

Sample: B-162 3'-6'		Analyst's Initials: NS
Case No.: W0105-09		
Date Collected: 1/3/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/6/11	1/6/11
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	62	39-120
DCBP	64	34-140

*Dry Weight Basis

Sample: B-163 0.5'-1.5'		Analyst's Initials: NS
Case No.: W0105-09		
Date Collected: 1/3/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/6/11	1/7/11
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	49,200	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	64	39-120
DCBP	98	34-140

*Dry Weight Basis

Sample: B-163 1.5'-3'		Analyst's Initials: NS
Case No.: W0105-09		
Date Collected: 1/3/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/6/11	1/7/11
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	620	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	69	39-120
DCBP	64	34-140

*Dry Weight Basis

Sample: B-163 3'-6'		Analyst's Initials: NS
Case No.: W0105-09		
Date Collected: 1/3/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/6/11	1/7/11
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	1,050	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	71	39-120
DCBP	72	34-140

*Dry Weight Basis

Sample: B-164 0.5'-1.5'		Analyst's Initials: NS
Case No.: W0105-09		
Date Collected: 1/3/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/6/11	1/7/11
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	260	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	71	39-120
DCBP	65	34-140

*Dry Weight Basis

Sample: B-164 1.5'-3'		Analyst's Initials: NS
Case No.: W0105-09		
Date Collected: 1/3/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/6/11	1/6/11
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	62	39-120
DCBP	63	34-140

*Dry Weight Basis

Sample: B-164 3'-6'		Analyst's Initials: NS
Case No.: W0105-09		
Date Collected: 1/3/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/6/11	1/6/11
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	57	39-120
DCBP	56	34-140

*Dry Weight Basis

Sample: B-165 0.5'-1.5'		Analyst's Initials: NS
Case No.: W0105-09		
Date Collected: 1/3/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/6/11	1/10/11
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	1,100,500	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	Diluted Out	39-120
DCBP	Diluted Out	34-140

*Dry Weight Basis

Sample: B-165 1.5'-3'		Analyst's Initials: NS
Case No.: W0105-09		
Date Collected: 1/3/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/6/11	1/10/11
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	1,770,000	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	Diluted Out	39-120
DCBP	Diluted Out	34-140

*Dry Weight Basis

Sample: B-165 3'-6'		Analyst's Initials: NS
Case No.: W0105-09		
Date Collected: 1/3/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/6/11	1/7/11
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	17,500	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	85	39-120
DCBP	117	34-140

*Dry Weight Basis

Sample: B-166 0.5'1.5'		Analyst's Initials: NS
Case No.: W0105-09		
Date Collected: 1/3/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/6/11	1/7/11
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	6,610	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	84	39-120
DCBP	84	34-140

*Dry Weight Basis

Sample: B-166 1.5'-3'		Analyst's Initials: NS
Case No.: W0105-09		
Date Collected: 1/3/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/6/11	1/7/11
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	312	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	72	39-120
DCBP	64	34-140

*Dry Weight Basis

Sample: B-166 3'-6'		Analyst's Initials: NS
Case No.: W0105-09		
Date Collected: 1/3/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/6/11	1/6/11
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	61	39-120
DCBP	63	34-140

*Dry Weight Basis

Sample: B-167 0.5-1.5'		Analyst's Initials: NS
Case No.: W0105-09		
Date Collected: 1/3/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/6/11	1/7/11
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	2,100	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	69	39-120
DCBP	71	34-140

*Dry Weight Basis

Sample: B-167 1.5'-3'		Analyst's Initials: NS
Case No.: W0105-09		
Date Collected: 1/3/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/6/11	1/7/11
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	270	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	63	39-120
DCBP	65	34-140

*Dry Weight Basis

Sample: B-167 3'-6'		Analyst's Initials: NS
Case No.: W0105-09		
Date Collected: 1/3/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/6/11	1/7/11
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	1,135	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	65	39-120
DCBP	66	34-140

*Dry Weight Basis

Sample: B-167 6'-9'		Analyst's Initials: NS
Case No.: W0105-09		
Date Collected: 1/3/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/6/11	1/6/11
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	70	39-120
DCBP	64	34-140

*Dry Weight Basis

Sample: B-171 0.5'-1.5'		Analyst's Initials: NS
Case No.: W0105-09		
Date Collected: 1/4/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/6/11	1/7/11
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	23,500	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	67	39-120
DCBP	116	34-140

*Dry Weight Basis

Sample: B-171 1.5'-3		Analyst's Initials: NS
Case No.: W0105-09		
Date Collected: 1/4/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/6/11	1/7/11
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	3,290	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	51	39-120
DCBP	70	34-140

*Dry Weight Basis

Sample: B-171 3'-6'		Analyst's Initials: NS
Case No.: W0105-09		
Date Collected: 1/4/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/6/11	1/7/11
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	64	39-120
DCBP	64	34-140

*Dry Weight Basis

Sample: B-171 6'-9'		Analyst's Initials: NS
Case No.: W0105-09		
Date Collected: 1/4/11		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/6/11	1/7/11
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	61	39-120
DCBP	62	34-140

*Dry Weight Basis

Sample: Method Blank		Analyst's Initials: NS
Case No.: W0105-09		
Date Collected: NA		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/6/11	1/6/11
Analytical Method: EPA 8082		
Compound	Concentration ug/kg (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	51	39-120
DCBP	63	34-140

Sample: Method Blank		Analyst's Initials: NS
Case No.: W0105-09		
Date Collected: NA		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/6/11	1/6/11
Analytical Method: EPA 8082		
Compound	Concentration ug/kg (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	55	39-120
DCBP	64	34-140

PCB Laboratory Control Spike

Sample Matrix: Soil				
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3540C	1/6/11			1/6/11
Analytical Method: EPA 8082				
Compound	Amount Spiked mg/kg	Result mg/kg	Recovery %	Recovery Limits
Aroclor 1016	0.500	0.345	69	46-130
Aroclor 1260	0.500	0.350	70	55-130
Surrogates:				
Compound	% Recovery	Limits		
TCMX	65	39-120		
DCBP	71	34-140		

PCB Laboratory Control Spike

Sample Matrix: Soil				
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3540C	1/6/11			1/6/11
Analytical Method: EPA 8082				
Compound	Amount Spiked mg/kg	Result mg/kg	Recovery %	Recovery Limits
Aroclor 1016	0.500	0.344	69	46-130
Aroclor 1260	0.500	0.335	67	55-130
Surrogates:				
Compound	% Recovery	Limits		
TCMX	60	39-120		
DCBP	73	34-140		

W0105-09

KNOLL ENVIRONMENTAL, INC.

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone: (781) 449-1566
Fax: (888) 291-8355

CHAIN OF CUSTODY

Turn Around Time: Normal
Due Date: 1/15/11

Project Name:	COC#	Comments:
KANSAS ST	2563	
	PO# 3495	
Collected By: K.D.		4°C

Sample ID	Collection (Date/Time)	Matrix	Preservative	# of Contrs	8260 (VOC)	5035 high/low	524.2 (VOC)	8270b (PAH's)	8270 (SVOC)	VPH (TPH)	EPH (TPH)	RCRA 8 (Metal)	8080 (PCB)				Asb. by PLM
B-162 0.5-1.5'	1-3-11	Soil	—	1								X	X				
B-162 1.5'-3'	"	"	—	1								X	X				
B-162 3'-6'	"	"	—	1								X	X				
B-163 0.5'-1.5'	"	"	—	1								X	X				
B-163 1.5'-3'	"	"	—	1								X	X				
B-163 3'-6'	"	"	—	1								X	X				
												X	X				

Relinquished By:	Date/Time	Relinquished By:	Date/Time	Relinquished By:	Date/Time
[signature]	1/4/11	[signature]	1-5-11 2:00 PM		
Received By:	**Date/Time**	**Received By:**	**Date/Time**	**Received By:**	**Date/Time**
[signature]	1-4-11 9:28 AM	[signature]	1-5-11 2:00		

Notes: GW=Ground Water S=Sediments/Soil WW=Waste Water

PAGE 2

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

W0105-09

69 WEXFORD STREET
NEEDHAM, MA 02494
Phone: (781) 449-1566
Fax: (888) 291-8355

Turn Around Time: Normal
Due Date: 1/15/11

Project Name: KANSAS ST.

COC# 2563

PO# 3495

Comments: 4°C

Collected By: K.D.

Sample ID	Collection (Date/Time)	Matrix	Preservative	# of Contrs	8260 (VOC)	5035 high/low	524.2 (VOC)	8270b (PAH's)	8270 (SVOC)	VPH (TPH)	EPH (TPH)	RCRA 8 (Metal)	8080 (PCB)				Asb. by PLM
B-164 0.5-1.5'	1-3-11	Soil	—	1								X	X				
B-164 1.5'-3'	"	"	—	1								X	X				
B-164 3'-6'	"	"	—	1								X	X				
B-165 0.5'-1.5'	"	"	—	1								X	X				
B-165 1.5'-3'	"	"	—	1								X	X				
B-165 3'-6'	"	"	—	1								X	X				

Relinquished By:	Date/Time	Relinquished By:	Date/Time	Relinquished By:	Date/Time
Kevin Daley	1/4/11	Kurt Downard	1-5-11 2:00		
Received By:	**Date/Time**	**Received By:**	**Date/Time**	**Received By:**	**Date/Time**
Kurt Downard	1-4-11 9:38 AM	Cuptakund	1-5-11 2:00		

Notes: GW=Ground Water S=Sediments/Soil WW=Waste Water

g:\knoll\formats\COC.XLS

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

W0105-09

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone: (781) 449-1566
Fax: (888) 291-8355

Turn Around Time: Normal
Due Date: 1/15/11

Project Name:	**COC#**	**Comments:**
KANSAS ST.	2563	
	PO# 3495	
Collected By: K.D		4°C

Sample ID	Collection (Date/Time)	Matrix	Preservative	# of Contrs	8260 (VOC)	5035 high/low	524.2 (VOC)	8270b (PAH's)	8270 (SVOC)	VPH (TPH)	EPH (TPH)	RCRA 8 (Metal)	8080 (PCB)				Asb. by PLM
B-166 0.5'-1.5'	1-3-11	Soil	—	1								X	X				
B-166 1.5'-3'	"	"	—	1								X	X				
B-166 3'-6'	"	"	—	1								X	X				
B-167 0.5'-1.5'	"	"	—	1								X	X				
B-167 1.5'-3'	"	"	—	1								X	X				
B-167 3'-6'	"	"	—	1								X	X				
B-167 6'-9'	"	"	—	1								X	X				

Relinquished By:	Date/Time	Relinquished By:	Date/Time	Relinquished By:	Date/Time
[signature]	1/4/11	[signature]	1-5-11 2:00pm		
Received By:	**Date/Time**	**Received By:**	**Date/Time**	**Received By:**	**Date/Time**
[signature]	1-4-11 9:38am	Crystal Fuss	1-5-11 2:00 pm		

Notes: GW=Ground Water S=Sediments/Soil WW=Waste Water

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KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494
Phone: (781) 449-1566
Fax: (888) 291-8355

Turn Around Time: Normal
Due Date: 1/18/11

W0105-09

Project Name: Kansas St.

COC# 2563

PO# 3495

Comments:

Collected By: K.D

4°C

Sample ID	Collection (Date/Time)	Matrix	Preservative	# of Contrs	8260 (VOC)	5035 high/low	524.2 (VOC)	8270b (PAH's)	8270 (SVOC)	VPH (TPH)	EPH (TPH)	RCRA 8 (Metal)	8080 (PCB)				Asb. by PLM
B-168 0.5-1.5'	1-4-11	Soil	—	1								X					
B-168 1.5'-3'	"	"	—	1								X					
B-168 3'-6'	"	"	—	1								X					
B-168 6'-9'	"	"	—	1								X					
B-169 0.5-1.5'	"	"	—	1								X					
B-169 1.5'-3'	"	"	—	1								X					
B-169 3'-6'	"	"	—	1								X					

Relinquished By:	Date/Time	Relinquished By:	Date/Time	Relinquished By:	Date/Time
[signature]	1/4/11	[signature]	1-5-11 9:00 PM		
Received By:	**Date/Time**	**Received By:**	**Date/Time**	**Received By:**	**Date/Time**
[signature]	1-4-11 9:28 am	[signature]	1-5-11 2:00 pm		

Notes: GW=Ground Water S=Sediments/Soil WW=Waste Water

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KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494
Phone: (781) 449-1566
Fax: (888) 291-8355

Turn Around Time: Normal
Due Date: 1/15/11

W0105-07

Project Name:	COC#	Comments:
KANSAS ST.	2563	
	PO#	
	3495	
Collected By: K.A.		6°C

Sample ID	Collection (Date/Time)	Matrix	Preservative	# of Contrs	8260 (VOC)	5035 high/low	524.2 (VOC)	8270b (PAH's)	8270 (SVOC)	VPH (TPH)	EPH (TPH)	RCRA 8 (Metal)	8080 (PCB)				Asb. by PLM
B-170 a5-1.5'	1-4-11	Soil	—	1								X					
B-170 1.5-3'	"	"	—	1								X					
B-170 3'-6'	"	"	—	1								X					
B-171 0.5-1.5'	"	"	—	1								X	X				
B-171 1.5-3'	"	"	—	1								X	X				
B-171 3-6'	"	"	—	1								X	X				
B-171 6'-9'	"	"	—	1								X	X				

Relinquished By:	Date/Time	Relinquished By:	Date/Time	Relinquished By:	Date/Time
[signature]	1/4/11	[signature]	1-5-11 7:00 PM		
Received By:	**Date/Time**	**Received By:**	**Date/Time**	**Received By:**	**Date/Time**
[signature]	1-4-11 9:28 AM	[signature]	1-5-11 2:00		

Notes: GW=Ground Water S=Sediments/Soil WW=Waste Water

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REPORT OF ANALYTICAL RESULTS

NETLAB Case Number V1214-59

Prepared for:

Attn: Kevin Doherty
Knoll Environmental
60 Wexford St.
Needham, MA 02494

Report Date: December 21, 2010

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

Total # of Pages: 77

MassDEP Analytical Protocol Certification Form

Laboratory Name:.New England Testing Laboratory	Project #: 2558
Project Location: Kansas Street	RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
V1214-59

Matrices: Groundwater/Surface Water x Soil/Sediment Drinking Water Air Other:

CAM Protocol (check all that apply below):

8260 VOC CAM II A	7470/7471 Hg CAM III B **x**	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP APH CAM IX A
8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EPH CAM IV B	8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VOC CAM IX B
6010 Metals CAM III A **x**	6020 Metals CAM III D	8082 PCB CAM V A **x**	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	X Yes No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	X Yes No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	X Yes No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	X Yes No
E	VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	Yes No Yes No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	X Yes No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	X Yes No[1]

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	X Yes No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	X Yes No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ **Position:** Laboratory Director

Printed Name: Richard Warila **Date:** 12/21/2010

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on December 14, 2010. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is V1214-59.

Custody records are included in this report.

Site: 2 Kansas Street
COC#: 2558

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
B-138 (0.5'-1.5')	12/11/10	Soil	Table II
B-138 (0.5'-1.5') MS	12/11/10	Soil	Table II
B-138 (0.5'-1.5') MSD	12/11/10	Soil	Table II
B-138 (1.5'-3')	12/11/10	Soil	Table II
B-138 (3'-6')	12/11/10	Soil	Table II
B-138 (6'-9')	12/11/10	Soil	Table II
B-139 (0.5'-1.5')	12/11/10	Soil	Table II
B-139 (1.5'-3')	12/11/10	Soil	Table II
B-139 (3'-6')	12/11/10	Soil	Table II
B-140 (0.5'-1.5')	12/11/10	Soil	Table II
B-140 (0.5'-1.5') MS	12/11/10	Soil	Table II
B-140 (0.5'-1.5') MSD	12/11/10	Soil	Table II
B-140 (1.5'-3')	12/11/10	Soil	Table II
B-140 (1.5'-3') MS	12/11/10	Soil	Table II
B-140 (1.5'-3') MSD	12/11/10	Soil	Table II
B-140 (3'-6')	12/11/10	Soil	Table II
B-141 (3'-6')	12/11/10	Soil	Table III
B-141 (6'-9')	12/11/10	Soil	Table III
B-142 (3'-6')	12/11/10	Soil	Table III
B-142 (6'-9')	12/11/10	Soil	Table III
B-143 (3'-6')	12/11/10	Soil	Table III
B-143 (6'-9')	12/11/10	Soil	Table III
B-143 (9'-12')	12/11/10	Soil	Table III
B-143 (9'-12') MS	12/11/10	Soil	Table III
B-143 (9'-12') MSD	12/11/10	Soil	Table III
B-144 (0.5'-1.5')	12/11/10	Soil	PCBs Only
B-145 (0.5'-1.5')	12/11/10	Soil	PCBs Only
B-146 (0.5'-1.5')	12/11/10	Soil	PCBs Ony
B-147 (0.5'-1.5')	12/11/10	Soil	PCBs Only

B-148 (0.5'-1.5')	12/11/10	Soil	PCBs Only
B-149 (0.5'-1.5')	12/11/10	Soil	PCBs Only
B-150 (3'-6')	12/11/10	Soil	PCBs Only
B-150 (6'-9')	12/11/10	Soil	PCBs Only
B-150 (9'-12')	12/11/10	Soil	PCBs Only
B-151 (0.5-1.5')	12/11/10	Soil	PCBs Only
B-152 (0.5'-1.5')	12/11/10	Soil	PCBs Only
B-153 (0.5'-1.5')	12/11/10	Soil	PCBs Only

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
PCBs	3541	8082
Total Metals		
Cadmium	3050B	6010B
Lead	3050B	6010B

TABLE III, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
PCBs	3541	8082
Total Metals		
Arsenic	3050B	6010B
Barium	3050B	6010B
Cadmium	3050B	6010B
Chromium	3050B	6010B
Lead	3050B	6010B
Mercury	NA	7471A
Selenium	3050B	6010B
Silver	3050B	6010B

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.

CASE NARRATIVE:

Sample Receipt:

No trip blank was supplied. No field blank was supplied. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits.)

The samples were all appropriately cooled and preserved upon receipt. The samples for dissolved metals were filtered upon receipt to the laboratory.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

Metals:

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

A Matrix Spike/Matrix Spike Duplicate recovery and a RPD for lead and cadmium on sample B-138 (0.5'-1.5') was outside of method allowable QC limits due to matrix interference. Silver also had recoveries outside of method allowable QC limits due to matrix interference on sample B-143 (9'-12'). All other associated QC was within acceptable limits.

PCBs:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Due to matrix interference, the samples "B-139 (1.5'-3') and B-139 (3'-6')" were reported with obscured TCMX surrogate. Multiple clean up steps failed to show adequate surrogate recovery. No other anomalies occurred in these samples.

METALS RESULTS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Metals Analysis Department certifies that the results included in this section have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

New England Testing Laboratory, Inc.

METALS RESULTS

Case Number: V1214-59
Sample ID: B-138 (0.5'-1.5)
Date collected: 12/11/10
Matrix Soil
Solids, % 84.50
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	ND	0.34	0.34	mg/kg	12/16/10	12/17/10
Lead	7439-92-1	3050B	6010B	606	0.34	0.34	mg/kg	12/16/10	12/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V1214-59
Sample ID: B-138 (0.5'-1.5') MS
Date collected: 12/11/10
Matrix Soil
Solids, % 84.50
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	45.3	0.32	0.32	mg/kg	12/16/10	12/17/10
Lead	7439-92-1	3050B	6010B	653	0.32	0.32	mg/kg	12/16/10	12/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V1214-59
Sample ID: B-138 (0.5'-1.5') MSD
Date collected: 12/11/10
Matrix Soil
Solids, % 84.50
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	49.9	0.36	0.36	mg/kg	12/16/10	12/17/10
Lead	7439-92-1	3050B	6010B	668	0.36	0.36	mg/kg	12/16/10	12/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

MATRIX SPIKE RESULTS

Sample: V1214-59 B-138 (0.5'-1.5')

Parameter	Sample Result	MS Fortification	MS Spike Result	Recovery, %	MSD Fortification	MSD Spike Result	Recovery, %	Units	RPD, %	Limit	Recovery Limits
Cadmium	0	66.7	45.3	**68**	66.7	49.9	**75**	mg/kg	**9.66**	**20**	**75-125**
Lead	606	66.7	653	**70**	66.7	668	**93**	mg/kg	**27.5**	**20**	**75-125**

Note: A spike recovery is not reported when the original sample concentration is significantly above the fortification amount.

Comments:

METALS RESULTS

Case Number:	V1214-59
Sample ID:	B-138 (1.5'-3')
Date collected:	12/11/10
Matrix	Soil
Solids, %	84.23
Sample Type:	Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	2.29	0.34	0.34	mg/kg	12/16/10	12/17/10
Lead	7439-92-1	3050B	6010B	18600	0.34	0.34	mg/kg	12/16/10	12/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V1214-59
Sample ID: B-138 (3'-6')
Date collected: 12/11/10
Matrix Soil
Solids, % 77.18
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	0.44	0.37	0.37	mg/kg	12/16/10	12/17/10
Lead	7439-92-1	3050B	6010B	79.5	0.37	0.37	mg/kg	12/16/10	12/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V1214-59
Sample ID: B-138 (6'-9')
Date collected: 12/11/10
Matrix Soil
Solids, % 81.21
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	3.07	0.36	0.36	mg/kg	12/16/10	12/17/10
Lead	7439-92-1	3050B	6010B	280	0.36	0.36	mg/kg	12/16/10	12/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V1214-59
Sample ID: B-139 (0.5'-1.5')
Date collected: 12/11/10
Matrix Soil
Solids, % 77.11
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	2.38	0.38	0.38	mg/kg	12/16/10	12/17/10
Lead	7439-92-1	3050B	6010B	3180	0.38	0.38	mg/kg	12/16/10	12/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V1214-59
Sample ID: B-139 (1.5'-3')
Date collected: 12/11/10
Matrix Soil
Solids, % 82.58
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	1.74	0.36	0.36	mg/kg	12/16/10	12/17/10
Lead	7439-92-1	3050B	6010B	423	0.36	0.36	mg/kg	12/16/10	12/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V1214-59
Sample ID: B-139 (3'-6')
Date collected: 12/11/10
Matrix Soil
Solids, % 78.46
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	ND	0.41	0.41	mg/kg	12/16/10	12/17/10
Lead	7439-92-1	3050B	6010B	52.7	0.41	0.41	mg/kg	12/16/10	12/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V1214-59
Sample ID: B-140 (0.5'-1.5')
Date collected: 12/11/10
Matrix Soil
Solids, % 82.61
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	2.51	0.39	0.39	mg/kg	12/17/10	12/20/10
Lead	7439-92-1	3050B	6010B	2300	0.39	0.39	mg/kg	12/17/10	12/20/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V1214-59
Sample ID: B-140 (0.5'-1.5') MS
Date collected: 12/11/10
Matrix Soil
Solids, % 82.61
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	3.20	0.37	0.37	mg/kg	12/17/10	12/20/10
Lead	7439-92-1	3050B	6010B	2310	0.37	0.37	mg/kg	12/17/10	12/20/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V1214-59
Sample ID: B-140 (0.5'-1.5') MSD
Date collected: 12/11/10
Matrix Soil
Solids, % 82.61
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	3.30	0.38	0.38	mg/kg	12/17/10	12/20/10
Lead	7439-92-1	3050B	6010B	2310	0.38	0.38	mg/kg	12/17/10	12/20/10

ND indicates not Detected

All results are reported on a dry weight basis.

MATRIX SPIKE RESULTS

Sample: V1215-24 B-140 (0.5'-1.5')

Parameter	Sample Result	MS Fortification	MS Spike Result	Recovery, %	MSD Fortification	MSD Spike Result	Recovery, %	Units	RPD, %	Limit	Recovery Limits
Cadmium	2.51	66.7	77.6	**113**	66.7	80	**116**	mg/kg	**3.1**	**20**	**75-125**
Lead	2300	66.7	2360	**90**	66.7	2370	**105**	mg/kg	**15.4**	**20**	**75-125**

Comments:

METALS RESULTS

Case Number: V1214-59
Sample ID: B-140 (1.5'-3')
Date collected: 12/11/10
Matrix Soil
Solids, % 71.61
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	2.17	0.43	0.43	mg/kg	12/17/10	12/20/10
Lead	7439-92-1	3050B	6010B	545	0.43	0.43	mg/kg	12/17/10	12/20/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V1214-59
Sample ID: B-140 (1.5'-3') MS
Date collected: 12/11/10
Matrix Soil
Solids, % 71.61
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	70.1	0.43	0.43	mg/kg	12/17/10	12/20/10
Lead	7439-92-1	3050B	6010B	609	0.43	0.43	mg/kg	12/17/10	12/20/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V1214-59
Sample ID: B-140 (1.5'-3') MSD
Date collected: 12/11/10
Matrix Soil
Solids, % 71.61 **Analyst** KG/MM
Sample Type: Total

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	68.0	0.44	0.44	mg/kg	12/17/10	12/20/10
Lead	7439-92-1	3050B	6010B	611	0.44	0.44	mg/kg	12/17/10	12/20/10

ND indicates not Detected

All results are reported on a dry weight basis.

MATRIX SPIKE RESULTS

Sample: V1214-59 B-140 (1.5'-3')

Parameter	Sample Result	MS Fortification	MS Spike Result	Recovery, %	MSD Fortification	MSD Spike Result	Recovery, %	Units	RPD, %	Limit	Recovery Limits
Cadmium	2.17	66.7	70.1	**102**	66.7	68	**99**	mg/kg	**3.14**	**20**	**75-125**
Lead	545	66.7	609	**96**	66.7	611	**99**	mg/kg	**3.08**	**20**	**75-125**

Comments:

METALS RESULTS

Case Number: V1214-59
Sample ID: B-140 (3'-6')
Date collected: 12/11/10
Matrix Soil
Solids, % 91.76
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	ND	0.32	0.32	mg/kg	12/17/10	12/20/10
Lead	7439-92-1	3050B	6010B	17.7	0.32	0.32	mg/kg	12/17/10	12/20/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V1214-59
Sample ID: B-141 (3'-6')
Date collected: 12/11/10
Matrix Soil
Solids, % 78.21
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	7.89	0.80	0.80	mg/kg	12/17/10	12/20/10
Barium	7440-39-3	3050B	6010B	87.7	0.40	0.40	mg/kg	12/17/10	12/20/10
Cadmium	7440-43-9	3050B	6010B	ND	0.40	0.40	mg/kg	12/17/10	12/20/10
Chromium	7440-47-3	3050B	6010B	4.59	0.40	0.40	mg/kg	12/17/10	12/20/10
Lead	7439-92-1	3050B	6010B	116	0.40	0.40	mg/kg	12/17/10	12/20/10
Mercury	7439-97-6	NA	7471A	ND	0.355	0.071	mg/kg	12/17/10	12/17/10
Selenium	7782-49-2	3050B	6010B	ND	0.80	0.80	mg/kg	12/17/10	12/20/10
Silver	7440-22-4	3050B	6010B	ND	0.40	0.40	mg/kg	12/17/10	12/20/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V1214-59
Sample ID: B-141 (6'-9')
Date collected: 12/11/10
Matrix Soil
Solids, % 74.74
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	9.42	0.84	0.84	mg/kg	12/17/10	12/20/10
Barium	7440-39-3	3050B	6010B	23.2	0.42	0.42	mg/kg	12/17/10	12/20/10
Cadmium	7440-43-9	3050B	6010B	ND	0.42	0.42	mg/kg	12/17/10	12/20/10
Chromium	7440-47-3	3050B	6010B	10.7	0.42	0.42	mg/kg	12/17/10	12/20/10
Lead	7439-92-1	3050B	6010B	6.31	0.42	0.42	mg/kg	12/17/10	12/20/10
Mercury	7439-97-6	NA	7471A	0.109	0.069	0.069	mg/kg	12/17/10	12/17/10
Selenium	7782-49-2	3050B	6010B	ND	0.84	0.84	mg/kg	12/17/10	12/20/10
Silver	7440-22-4	3050B	6010B	ND	0.42	0.42	mg/kg	12/17/10	12/20/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V1214-59
Sample ID: B-142 (3'-6')
Date collected: 12/11/10
Matrix Soil
Solids, % 78.39
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	18.6	0.73	0.73	mg/kg	12/17/10	12/20/10
Barium	7440-39-3	3050B	6010B	84.7	0.37	0.37	mg/kg	12/17/10	12/20/10
Cadmium	7440-43-9	3050B	6010B	1.10	0.37	0.37	mg/kg	12/17/10	12/20/10
Chromium	7440-47-3	3050B	6010B	41.9	0.37	0.37	mg/kg	12/17/10	12/20/10
Lead	7439-92-1	3050B	6010B	1370	0.37	0.37	mg/kg	12/17/10	12/20/10
Mercury	7439-97-6	NA	7471A	0.125	0.079	0.079	mg/kg	12/17/10	12/17/10
Selenium	7782-49-2	3050B	6010B	ND	0.73	0.73	mg/kg	12/17/10	12/20/10
Silver	7440-22-4	3050B	6010B	ND	0.37	0.37	mg/kg	12/17/10	12/20/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V1214-59
Sample ID: B-142 (6'-9')
Date collected: 12/11/10
Matrix Soil
Solids, % 66.19
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	37.6	0.72	0.72	mg/kg	12/17/10	12/20/10
Barium	7440-39-3	3050B	6010B	83.8	0.36	0.36	mg/kg	12/17/10	12/20/10
Cadmium	7440-43-9	3050B	6010B	5.78	0.36	0.36	mg/kg	12/17/10	12/20/10
Chromium	7440-47-3	3050B	6010B	15.4	0.36	0.36	mg/kg	12/17/10	12/20/10
Lead	7439-92-1	3050B	6010B	1760	0.36	0.36	mg/kg	12/17/10	12/20/10
Mercury	7439-97-6	NA	7471A	0.195	0.097	0.097	mg/kg	12/17/10	12/17/10
Selenium	7782-49-2	3050B	6010B	ND	0.72	0.72	mg/kg	12/17/10	12/20/10
Silver	7440-22-4	3050B	6010B	ND	0.36	0.36	mg/kg	12/17/10	12/20/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V1214-59
Sample ID: B-143 (3'-6')
Date collected: 12/11/10
Matrix Soil
Solids, % 91.20
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	16.6	0.64	0.64	mg/kg	12/17/10	12/20/10
Barium	7440-39-3	3050B	6010B	35.0	0.32	0.32	mg/kg	12/17/10	12/20/10
Cadmium	7440-43-9	3050B	6010B	0.96	0.32	0.32	mg/kg	12/17/10	12/20/10
Chromium	7440-47-3	3050B	6010B	15.6	0.32	0.32	mg/kg	12/17/10	12/20/10
Lead	7439-92-1	3050B	6010B	144	0.32	0.32	mg/kg	12/17/10	12/20/10
Mercury	7439-97-6	NA	7471A	0.096	0.066	0.066	mg/kg	12/17/10	12/17/10
Selenium	7782-49-2	3050B	6010B	ND	0.64	0.64	mg/kg	12/17/10	12/20/10
Silver	7440-22-4	3050B	6010B	ND	0.32	0.32	mg/kg	12/17/10	12/20/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V1214-59
Sample ID: B-143 (6'-9')
Date collected: 12/11/10
Matrix Soil
Solids, % 88.53
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	14.8	0.72	0.72	mg/kg	12/17/10	12/20/10
Barium	7440-39-3	3050B	6010B	28.9	0.36	0.36	mg/kg	12/17/10	12/20/10
Cadmium	7440-43-9	3050B	6010B	0.58	0.36	0.36	mg/kg	12/17/10	12/20/10
Chromium	7440-47-3	3050B	6010B	13.2	0.36	0.36	mg/kg	12/17/10	12/20/10
Lead	7439-92-1	3050B	6010B	90.5	0.36	0.36	mg/kg	12/17/10	12/20/10
Mercury	7439-97-6	NA	7471A	0.076	0.069	0.069	mg/kg	12/17/10	12/17/10
Selenium	7782-49-2	3050B	6010B	ND	0.72	0.72	mg/kg	12/17/10	12/20/10
Silver	7440-22-4	3050B	6010B	ND	0.36	0.36	mg/kg	12/17/10	12/20/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V1214-59
Sample ID: B-143 (9'-12')
Date collected: 12/11/10
Matrix Soil
Solids, % 82.15
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	4.56	0.69	0.69	mg/kg	12/17/10	12/20/10
Barium	7440-39-3	3050B	6010B	11.6	0.35	0.35	mg/kg	12/17/10	12/20/10
Cadmium	7440-43-9	3050B	6010B	ND	0.35	0.35	mg/kg	12/17/10	12/20/10
Chromium	7440-47-3	3050B	6010B	6.50	0.35	0.35	mg/kg	12/17/10	12/20/10
Lead	7439-92-1	3050B	6010B	9.48	0.35	0.35	mg/kg	12/17/10	12/20/10
Mercury	7439-97-6	NA	7471A	ND	0.075	0.075	mg/kg	12/17/10	12/17/10
Selenium	7782-49-2	3050B	6010B	ND	0.69	0.69	mg/kg	12/17/10	12/20/10
Silver	7440-22-4	3050B	6010B	ND	0.35	0.35	mg/kg	12/17/10	12/20/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V1214-59
Sample ID: B-143 (9'-12') MS
Date collected: 12/11/10
Matrix Soil
Solids, % 82.15
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	15.0	0.72	0.72	mg/kg	12/17/10	12/20/10
Barium	7440-39-3	3050B	6010B	80.1	0.36	0.36	mg/kg	12/17/10	12/20/10
Cadmium	7440-43-9	3050B	6010B	60.1	0.36	0.36	mg/kg	12/17/10	12/20/10
Chromium	7440-47-3	3050B	6010B	60.1	0.36	0.36	mg/kg	12/17/10	12/20/10
Lead	7439-92-1	3050B	6010B	80.8	0.36	0.36	mg/kg	12/17/10	12/20/10
Mercury	7439-97-6	NA	7471A	0.145	0.070	0.070	mg/kg	12/17/10	12/17/10
Selenium	7782-49-2	3050B	6010B	11.4	0.72	0.72	mg/kg	12/17/10	12/20/10
Silver	7440-22-4	3050B	6010B	19.1	0.36	0.36	mg/kg	12/17/10	12/20/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V1214-59
Sample ID: B-143 (9'-12') MSD
Date collected: 12/11/10
Matrix Soil
Solids, % 82.15
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	16.5	0.69	0.69	mg/kg	12/17/10	12/20/10
Barium	7440-39-3	3050B	6010B	82.3	0.34	0.34	mg/kg	12/17/10	12/20/10
Cadmium	7440-43-9	3050B	6010B	65.1	0.34	0.34	mg/kg	12/17/10	12/20/10
Chromium	7440-47-3	3050B	6010B	65.8	0.34	0.34	mg/kg	12/17/10	12/20/10
Lead	7439-92-1	3050B	6010B	78.8	0.34	0.34	mg/kg	12/17/10	12/20/10
Mercury	7439-97-6	NA	7471A	0.167	0.080	0.080	mg/kg	12/17/10	12/17/10
Selenium	7782-49-2	3050B	6010B	12.3	0.69	0.69	mg/kg	12/17/10	12/20/10
Silver	7440-22-4	3050B	6010B	18.1	0.34	0.34	mg/kg	12/17/10	12/20/10

ND indicates not Detected

All results are reported on a dry weight basis.

MATRIX SPIKE RESULTS

Sample: V1214-59 B-143 (9'-12')

Parameter	Sample Result	MS Fortification	MS Spike Result	MS Recovery, %	MSD Fortification	MSD Spike Result	MSD Recovery, %	Units	RPD, %	Limit	Recovery Limits
Arsenic	4.56	13.3	15.0	**78**	13.3	16.5	**90**	mg/kg	**13.4**	**20**	**75-125**
Barium	11.6	66.7	80.1	**103**	66.7	82.3	**106**	mg/kg	**3.16**	**20**	**75-125**
Cadmium	0	66.7	60.1	**90**	66.7	65.1	**98**	mg/kg	**7.99**	**20**	**75-125**
Chromium	6.50	66.7	60.1	**80**	66.7	65.8	**89**	mg/kg	**10.1**	**20**	**75-125**
Lead	9.48	66.7	80.8	**107**	66.7	78.8	**104**	mg/kg	**2.84**	**20**	**75-125**
Mercury	0	0.133	0.145	**109**	0.133	0.167	**126**	mg/kg	**14.1**	**20**	**75-125**
Selenium	0	13.3	11.4	**86**	13.3	12.3	**92**	mg/kg	**7.59**	**20**	**75-125**
Silver	0	13.3	19.1	**144**	13.3	18.1	**136**	mg/kg	**5.38**	**20**	**75-125**

Comments:

Sample ID: Preparation Blank
Matrix SOIL
Solids, % 100
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	ND	0.33	0.33	mg/kg	12/16/10	12/17/10
Lead	7439-92-1	3050B	6010B	ND	0.33	0.33	mg/kg	12/16/10	12/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

LABORATORY CONTROL SAMPLE RECOVERY

Parameter	True Value	Result	Units	Recovery, %	Internal LCL, %	UCL, %	Date Analyzed
Cadmium	66.7	58.3	mg/kg	87	80	110	12/17/10
Lead	66.7	54.3	mg/kg	81	80	114	12/17/10

Sample ID: Preparation Blank
Matrix SOIL
Solids, % 100
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	ND	0.67	0.67	mg/kg	12/17/10	12/20/10
Barium	7440-39-3	3050B	6010B	ND	0.33	0.33	mg/kg	12/17/10	12/20/10
Cadmium	7440-43-9	3050B	6010B	ND	0.33	0.33	mg/kg	12/17/10	12/20/10
Chromium	7440-47-3	3050B	6010B	ND	0.33	0.33	mg/kg	12/17/10	12/20/10
Lead	7439-92-1	3050B	6010B	ND	0.33	0.33	mg/kg	12/17/10	12/20/10
Mercury	7439-97-6	NA	7471A	ND	0.067	0.067	mg/kg	12/17/10	12/17/10
Selenium	7782-49-2	3050B	6010B	ND	0.67	0.67	mg/kg	12/17/10	12/20/10
Silver	7440-22-4	3050B	6010B	ND	0.33	0.33	mg/kg	12/17/10	12/20/10

ND indicates not Detected

All results are reported on a dry weight basis.

LABORATORY CONTROL SAMPLE RECOVERY

Parameter	True Value	Result	Units	Recovery, %	Internal LCL, %	Internal UCL, %	Date Analyzed
Arsenic	13.3	10.7	mg/kg	80	80	108	12/20/10
Barium	66.7	54.7	mg/kg	82	80	112	12/20/10
Cadmium	66.7	54.7	mg/kg	82	80	110	12/20/10
Chromium	66.7	54.7	mg/kg	82	80	114	12/20/10
Lead	66.7	54.7	mg/kg	82	80	114	12/20/10
Mercury	0.133	0.133	mg/kg	100	80	120	12/17/10
Selenium	13.3	10.7	mg/kg	80	80	111	12/20/10
Silver	33.3	26.7	mg/kg	80	80	120	12/20/10

RESULTS: PCBs

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

Sample: B-138 (0.5'-1.5')		Analyst's Initials: NS
Case No.: V1214-59		
Date Collected: 12/11/10		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/17/10	12/17/10
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	46	39-120
DCBP	56	34-140

*Dry Weight Basis

Sample: B-138 (1.5'-3')		Analyst's Initials: NS
Case No.: V1214-59		
Date Collected:12/11/10		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/17/10	12/17/10
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	7540	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	44	39-120
DCBP	76	34-140

*Dry Weight Basis

Sample: B-138 (3'-6')		Analyst's Initials: NS
Case No.: V1214-59		
Date Collected: 12/11/10		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/17/10	12/17/10
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	44	39-120
DCBP	42	34-140

*Dry Weight Basis

Sample: B-138 (6'-9')		Analyst's Initials: NS
Case No.: V1214-59		
Date Collected: 12/11/10		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/17/10	12/20/10
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	40	39-120
DCBP	48	34-140

*Dry Weight Basis

Sample: B-139 (0.5'-1.5')		Analyst's Initials: NS
Case No.: V1214-59		
Date Collected: 12/11/10		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/17/10	12/20/10
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	945	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	59	39-120
DCBP	56	34-140

*Dry Weight Basis

Sample: B-139 (1.5'-3')		Analyst's Initials: NS
Case No.: V1214-59		
Date Collected: 12/11/10		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/17/10	12/20/10
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	150	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	Obscured	39-120
DCBP	42	34-140

*Dry Weight Basis

Sample: B-139 (3'-6')		Analyst's Initials: NS
Case No.: V1214-59		
Date Collected: 12/11/10		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/17/10	12/20/10
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	Obscured	39-120
DCBP	40	34-140

*Dry Weight Basis

Sample: B-140 (0.5'-1.5')		Analyst's Initials: NS
Case No.: V1214-59		
Date Collected: 12/11/10		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/17/10	12/20/10
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	165.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	42	39-120
DCBP	58	34-140

*Dry Weight Basis

Sample: B-140 (1.5'-3')		Analyst's Initials: NS
Case No.: V1214-59		
Date Collected: 12/11/10		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/17/10	12/17/10
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	43	39-120
DCBP	48	34-140

*Dry Weight Basis

Sample: B-140 (3'-6')		Analyst's Initials: NS
Case No.: V1214-59		
Date Collected: 12/11/10		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/17/10	12/17/10
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	45	39-120
DCBP	48	34-140

*Dry Weight Basis

Sample: B-141 (3'-6')		Analyst's Initials: NS
Case No.: V1214-59		
Date Collected: 12/11/10		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/17/10	12/17/10
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	55	39-120
DCBP	54	34-140

*Dry Weight Basis

Sample: B-141 (6'-9')		Analyst's Initials: NS
Case No.: V1214-59		
Date Collected: 12/11/10		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/17/10	12/17/10
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	49	39-120
DCBP	51	34-140

*Dry Weight Basis

Sample: B-142 (3'-6')		Analyst's Initials: NS
Case No.: V1214-59		
Date Collected: 12/11/10		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/17/10	12/17/10
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	1230	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	51	39-120
DCBP	60	34-140

*Dry Weight Basis

Sample: B-142 (6'-9')		Analyst's Initials: NS
Case No.: V1214-59		
Date Collected: 12/11/10		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/17/10	12/17/10
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	43	39-120
DCBP	43	34-140

*Dry Weight Basis

Sample: B-143 (3'-6')		Analyst's Initials: NS
Case No.: V1214-59		
Date Collected: 12/11/10		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/17/10	12/20/10
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	5400	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	67	39-120
DCBP	73	34-140

*Dry Weight Basis

Sample: B-143 (6'-9')		Analyst's Initials: NS
Case No.: V1214-59		
Date Collected: 12/11/10		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/17/10	12/20/10
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	4630	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	59	39-120
DCBP	59	34-140

*Dry Weight Basis

Sample: B-143 (9'-12')		Analyst's Initials: NS
Case No.: V1214-59		
Date Collected: 12/11/10		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/17/10	12/17/10
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	55	39-120
DCBP	53	34-140

*Dry Weight Basis

Sample: B-144 (0.5'-1.5')		Analyst's Initials: NS
Case No.: V1214-59		
Date Collected: 12/11/10		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/17/10	12/20/10
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	61	39-120
DCBP	56	34-140

*Dry Weight Basis

Sample: B-145 (0.5'-1.5')		Analyst's Initials: NS
Case No.: V1214-59		
Date Collected: 12/11/10		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/17/10	12/17/10
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	54	39-120
DCBP	54	34-140

*Dry Weight Basis

Sample: B-146 (0.5'-1.5')		Analyst's Initials: NS
Case No.: V1214-59		
Date Collected: 12/11/10		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/17/10	12/20/10
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	1910	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	62	39-120
DCBP	72	34-140

*Dry Weight Basis

Sample: B-147 (0.5'-1.5')		Analyst's Initials: NS
Case No.: V1214-59		
Date Collected: 12/11/10		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/17/10	12/20/10
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	66	39-120
DCBP	70	34-140

*Dry Weight Basis

Sample: B-148 (0.5'-1.5')		Analyst's Initials: NS
Case No.: V1214-59		
Date Collected: 12/11/10		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/17/10	12/20/10
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	10350	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	71	39-120
DCBP	62	34-140

*Dry Weight Basis

Sample: B-149 (0.5'-1.5')		Analyst's Initials: NS
Case No.: V1214-59		
Date Collected: 12/11/10		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/17/10	12/20/10
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	700	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	42	39-120
DCBP	36	34-140

*Dry Weight Basis

Sample: B-150 (3'-6')		Analyst's Initials: NS
Case No.: V1214-59		
Date Collected: 12/11/10		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/17/10	12/17/10
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	500	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	62	39-120
DCBP	56	34-140

*Dry Weight Basis

Sample: B-150 (6'-9')		Analyst's Initials: NS
Case No.: V1214-59		
Date Collected: 12/11/10		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/17/10	12/17/10
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	660	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	56	39-120
DCBP	50	34-140

*Dry Weight Basis

Sample: B-150 (9'-12')		Analyst's Initials: NS
Case No.: V1214-59		
Date Collected: 12/11/10		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/17/10	12/17/10
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	120	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	61	39-120
DCBP	68	34-140

*Dry Weight Basis

Sample: B-151 (0.5'-1.5')		Analyst's Initials: NS
Case No.: V1214-59		
Date Collected: 12/11/10		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/17/10	12/20/10
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	2240	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	42	39-120
DCBP	62	34-140

*Dry Weight Basis

Sample: B-152 (0.5'-1.5')		Analyst's Initials: NS
Case No.: V1214-59		
Date Collected: 12/11/10		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/17/10	12/20/10
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	10170	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	108	39-120
DCBP	81	34-140

*Dry Weight Basis

Sample: B-153 (0.5'-1.5')		Analyst's Initials: NS
Case No.: V1214-59		
Date Collected: 12/11/10		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/17/10	12/17/10
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	47	39-120
DCBP	53	34-140

*Dry Weight Basis

Sample: Method Blank		Analyst's Initials: NS
Case No.: V1214-59		
Date Collected: NA		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/17/10	12/17/10
Analytical Method: EPA 8082		
Compound	Concentration ug/kg (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	79	39-120
DCBP	67	34-140

Sample: Method Blank		Analyst's Initials: NS
Case No.: V1214-59		
Date Collected: NA		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/17/10	12/17/10
Analytical Method: EPA 8082		
Compound	Concentration ug/kg (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	87	39-120
DCBP	64	34-140

PCB Laboratory Control Spike

Sample Matrix: Soil				
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3540C	12/17/10			12/17/10
Analytical Method: EPA 8082				
Compound	Amount Spiked mg/kg	Result mg/kg	Recovery %	Recovery Limits
Aroclor 1016	0.500	0.428	85	46-130
Aroclor 1260	0.500	0.485	97	55-130
Surrogates:				
Compound	% Recovery	Limits		
TCMX	66	39-120		
DCBP	71	34-140		

PCB Laboratory Control Spike

Sample Matrix: Soil				
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3540C	12/17/10			12/17/10
Analytical Method: EPA 8082				
Compound	Amount Spiked mg/kg	Result mg/kg	Recovery %	Recovery Limits
Aroclor 1016	0.500	0.444	88	46-130
Aroclor 1260	0.500	0.484	96	55-130
Surrogates:				
Compound	% Recovery	Limits		
TCMX	66	39-120		
DCBP	71	34-140		

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KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone: (781) 449-1566
Fax: (888) 291-8355

Turn Around Time: Normal
Due Date: 12/14/10

Project Name:	COC#	Comments:
KANSAS ST.	2558	
	PO# 3490	
Collected By: K.D.		

Sample ID	Collection (Date/Time)	Matrix	Preservative	# of Contrs	8260 (VOC)	5035 high/low	524.2 (VOC)	8270b (PAH's)	8270 (SVOC)	VPH (TPH)	EPH (TPH)	RCRA 8 (Metal)	8080 (PCB)	Pb	Cd	PCB	Asb. by PLM
B-138 (0.5'-1.5')	12.11.10	Soil	—	1										X	X	X	
B-138 (1.5'-3')	"	"	—	1										X	X	X	
B-138 (3'-6')	"	"	—	1										X	X	X	
B-138 (6'-9')	"	"	—	1										X	X	X	
B-139 (0.5'-1.5')	"	"	—	1										X	X	X	
B-139 (1.5'-3')	"	"	—	1										X	X	X	
B-139 (3'-6')	"	"	—	1										X	X	X	

Relinquished By:	Date/Time	Relinquished By:	Date/Time	Relinquished By:	Date/Time
[signature]	12/14/10	Kurt Donovan	12-14-10 4:45		
Received By:	**Date/Time**	**Received By:**	**Date/Time**	**Received By:**	**Date/Time**
Kurt Donovan	12-14-10 9:16			Karl Schmaltz	12/14/10 11:16

Notes: GW=Ground Water S=Sediments/Soil WW=Waste Water

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V1214-

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone: (781) 449-1566
Fax: (888) 291-8355

Turn Around Time: Normal
Due Date: 12/20/10

Project Name: KANSAS ST.

COC# 2558

PO# 3490

Comments:

Collected By: K.D.

Sample ID	Collection (Date/Time)	Matrix	Preservative	# of Contrs	8260 (VOC)	5035 high/low	524.2 (VOC)	8270b (PAH's)	8270 (SVOC)	VPH (TPH)	EPH (TPH)	RCRA 8 (Metal)	8080 (PCB)	Pb	Cd	PCB	Asb. by PLM
B-140 (0.5'-1.5')	12.11.10	Soil	—	1										X	X	X	
B-140 (1.5'-3')	"	"	—	1										X	X	X	
B-140 (3'-6')	"	"	—	1										X	X	X	
B-141 (3'-6')	"	"	—	1								X				X	
B-141 (6'-9')	"	"	—	1								X				X	
B-142 (3'-6')	"	"	—	1								X				X	
B-142 (6'-9')	"	"	—	1								X				X	

Relinquished By: Kevin Dobbs — Date/Time: 12/14/10

Received By: Lee T Dunn — Date/Time: 12-14-10 7:16

Relinquished By: Lee T Dunn — Date/Time: 12-14-10 4:45

Received By: — Date/Time:

Relinquished By: — Date/Time:

Received By: Kevin Ebmaleny — Date/Time: 12/14/10 14:16

Notes: GW=Ground Water S=Sediments/Soil WW=Waste Water

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KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone: (781) 449-1566
Fax: (888) 291-8355

Turn Around Time: Normal
Due Date: 12/20/10

Project Name: KANSAS ST

COC# 2558

PO# 3490

Comments:

Collected By: K.D.

Sample ID	Collection (Date/Time)	Matrix	Preservative	# of Contrs	8260 (VOC)	5035 high/low	524.2 (VOC)	8270b (PAH's)	8270 (SVOC)	VPH (TPH)	EPH (TPH)	RCRA 8 (Metal)	8080 (PCB)				Asb. by PLM
B-143 (3'-6')	12.11.10	Soil	—	1								X	X				
B-143 (6'-9')	"	"	—	1								X	X				
B-143 (9'-12')	"	"	—	1								X	X				
B-144 (0.5'-1.5')	"	"	—	1									X				
B-145 (0.5'-1.5')	"	"	—	1									X				
B-146 (0.5'-1.5')	"	"	—	1									X				
B-147 (0.5'-1.5')	"	"	—	1									X				
B-148 (0.5'-1.5')	"	"	—	1									X				

Relinquished By: Date/Time
12/14/10

Received By: Date/Time
12-14-10

Relinquished By: Date/Time
12-14-10 4:45

Received By: Date/Time

Relinquished By: Date/Time

Received By: Date/Time
12/14/10 14:16

Notes: GW=Ground Water S=Sediments/Soil WW=Waste Water

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V1214-59

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone: (781) 449-1566
Fax: (888) 291-8355

Turn Around Time: Normal
Due Date:

Project Name:	**COC#**	**Comments:**
Kansas St.	2558	
	PO# 3490	
Collected By: K.D.		

Sample ID	Collection (Date/Time)	Matrix	Preservative	# of Contrs	8260 (VOC)	5035 high/low	524.2 (VOC)	8270b (PAH's)	8270 (SVOC)	VPH (TPH)	EPH (TPH)	RCRA 8 (Metal)	8080 (PCB)				Asb. by PLM
B-149 (0.5-1.5')	12.11.10	Soil	—	1									X				
B-150 (3'-6')	"	"	—	1									X				
B-150 (6'-9')	"	"	—	1									X				
B-150 (9'-12')	"	"	—	1									X				
B-151 (0.5-1.5')	"	"	—	1									X				
B-152 (0.5'-1.5')	"	"	—	1									X				
B-153 (0.5'-1.5')	"	"	—	1									X				
[redacted]																	

Relinquished By: Date/Time
12/14/10

Received By: Date/Time
Kurt Dawson 12-14-10 9:16

Relinquished By: Date/Time
Kurt Dawson 12-14-10 4:45

Received By: Date/Time

Relinquished By: Date/Time

Received By: Date/Time
Kari Schmaltz 12/14/10 14:16

Notes: GW=Ground Water S=Sediments/Soil WW=Waste Water

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number V1101-11 Revised

Prepared for:

Attn: Kevin Doherty
Knoll Environmental
60 Wexford St.
Needham, MA 02494

Report Date: November 5, 2010

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

Total # of Pages: 35

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.	Project #: 2551 & 2552
Project Location: 2 Kansas Street	RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
V1101-11

Matrices: Groundwater/Surface Water x Soil/Sediment Drinking Water Air Other:

CAM Protocol (check all that apply below):

8260 VOC CAM II A	7470/7471 Hg CAM III B	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP APH CAM IX A
8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EPH CAM IV B	8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VOC CAM IX B
6010 Metals CAM III A **x**	6020 Metals CAM III D	8082 PCB CAM V A **x**	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	X Yes No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	X Yes No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	X Yes No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	X Yes No
E	VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	Yes No Yes No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	X Yes No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	X Yes No[1]

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	X Yes No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	X Yes No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ **Position:** Laboratory Director

Printed Name: Richard Warila **Date:** 11/5/2010

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on November 1, 2010 and additional analysis was requested on November 2, 2010. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is V1101-11.

Custody records are included in this report.

Site: 2 Kansas Street
COC#: 2551 & 2552

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
B-135 (0-1.5')	9/28/10	Soil	Table II, IV
B-135 (0-1.5')MS	9/28/10	Soil	Table II, IV
B-135 (0-1.5')MSD	9/28/10	Soil	Table II, IV
B-135 (1.5'-3')	9/28/10	Soil	Table II, IV
B-135 (3'-6')	9/28/10	Soil	Table II
B-135 (6'-9')	9/28/10	Soil	Table II
B-136 (0-1.5')	9/28/10	Soil	Table II, IV
B-136 (1.5'-3')	9/28/10	Soil	Table II, IV
B-136 (3'-6')	9/28/10	Soil	Table II
B-136 (6'-9')	9/28/10	Soil	Table II
B-123 (9'-12')	9/10/10	Soil	Table II
B-126 (9'-12')	9/10/10	Soil	Table II
B-137 (0-1.5')	9/28/10	Soil	Table III
B-137 (1.5'-3')	9/28/10	Soil	Table III
B-137 (3'-6')	9/28/10	Soil	Table III
B-137 (6'-9')	9/28/10	Soil	Table III

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Total Metals		
Cadmium	3050B	6010B
Lead	3050B	6010B

TABLE III, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
PCBs	3541	8082
Total Metals		
Arsenic	3050B	6010B
Barium	3050B	6010B
Cadmium	3050B	6010B
Chromium	3050B	6010B
Lead	3050B	6010B
Mercury	NA	7471A
Selenium	3050B	6010B
Silver	3050B	6010B

TABLE IV, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Arsenic	3050B	6010B

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.

CASE NARRATIVE:

Sample Receipt:

No trip blank was supplied. No field blank was supplied. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits.)

The samples were all appropriately cooled and preserved upon receipt. The samples for dissolved metals were filtered upon receipt to the laboratory.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

Metals:

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

The Matrix Spike/Matrix Spike Duplicate recoveries and RPD for lead on sample B-135 (0'1.5') were outside of method allowable QC limits due to the presence of high levels of lead contamination in the sample. Arsenic and cadmium also had recoveries outside of method allowable QC limits due to matrix interference. All other associated QC was within acceptable limits.

PCBs:

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

METALS RESULTS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Metals Analysis Department certifies that the results included in this section have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

New England Testing Laboratory, Inc.

METALS RESULTS

Case Number: V1101-11
Sample ID: B135 (0'-1.5')
Date collected: 9/29/10
Matrix SOIL
Solids, % 85.29
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	2.77	0.82	0.82	mg/kg	11/2/10	11/3/10
Cadmium	7440-43-9	3050B	6010B	21.1	0.41	0.41	mg/kg	11/2/10	11/3/10
Lead	7439-92-1	3050B	6010B	6450	0.41	0.41	mg/kg	11/2/10	11/3/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V1101-11
Sample ID: B135 (0'-1.5') MS
Date collected: 9/29/10
Matrix SOIL
Solids, % 85.29
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	39.6	0.77	0.77	mg/kg	11/2/10	11/3/10
Cadmium	7440-43-9	3050B	6010B	138	0.38	0.38	mg/kg	11/2/10	11/3/10
Lead	7439-92-1	3050B	6010B	8430	0.38	0.38	mg/kg	11/2/10	11/3/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V1101-11
Sample ID: B135 (0'-1.5') MSD
Date collected: 9/29/10
Matrix SOIL
Solids, % 85.29
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	35.8	0.70	0.70	mg/kg	11/2/10	11/3/10
Cadmium	7440-43-9	3050B	6010B	125	0.35	0.35	mg/kg	11/2/10	11/3/10
Lead	7439-92-1	3050B	6010B	7620	0.35	0.35	mg/kg	11/2/10	11/3/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V1101-11
Sample ID: B135 (1.5'-3')
Date collected: 9/29/10
Matrix SOIL
Solids, % 89.05
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	ND	0.74	0.74	mg/kg	11/2/10	11/3/10
Cadmium	7440-43-9	3050B	6010B	ND	0.37	0.37	mg/kg	11/2/10	11/3/10
Lead	7439-92-1	3050B	6010B	78.7	0.37	0.37	mg/kg	11/2/10	11/3/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V1101-11
Sample ID: B135 (3'-6')
Date collected: 9/29/10
Matrix SOIL
Solids, % 87.25
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	1.15	0.36	0.36	mg/kg	11/2/10	11/3/10
Lead	7439-92-1	3050B	6010B	528	0.36	0.36	mg/kg	11/2/10	11/3/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V1101-11
Sample ID: B135 (6'-9')
Date collected: 9/29/10
Matrix SOIL
Solids, % 80.33
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	4.12	0.35	0.35	mg/kg	11/2/10	11/3/10
Lead	7439-92-1	3050B	6010B	2180	0.35	0.35	mg/kg	11/2/10	11/3/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V1101-11
Sample ID: B136 (0'-1.5')
Date collected: 9/29/10
Matrix SOIL
Solids, % 86.57
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	6.14	0.73	0.73	mg/kg	11/2/10	11/3/10
Cadmium	7440-43-9	3050B	6010B	7.31	0.37	0.37	mg/kg	11/2/10	11/3/10
Lead	7439-92-1	3050B	6010B	1100	0.37	0.37	mg/kg	11/2/10	11/3/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V1101-11
Sample ID: B136 (1.5'-3')
Date collected: 9/29/10
Matrix SOIL
Solids, % 93.46
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	9.07	0.61	0.61	mg/kg	11/2/10	11/3/10
Cadmium	7440-43-9	3050B	6010B	167	0.31	0.31	mg/kg	11/2/10	11/3/10
Lead	7439-92-1	3050B	6010B	16800	0.31	0.31	mg/kg	11/2/10	11/3/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V1101-11
Sample ID: B136 (3'-6')
Date collected: 9/29/10
Matrix SOIL
Solids, % 83
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	0.97	0.37	0.37	mg/kg	11/2/10	11/3/10
Lead	7439-92-1	3050B	6010B	225	0.37	0.37	mg/kg	11/2/10	11/3/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V1101-11
Sample ID: B136 (6'-9')
Date collected: 9/29/10
Matrix SOIL
Solids, % 68.46
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	ND	0.38	0.38	mg/kg	11/2/10	11/3/10
Lead	7439-92-1	3050B	6010B	11.3	0.38	0.38	mg/kg	11/2/10	11/3/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V1101-11
Sample ID: B123 (9'-12')
Date collected: 9/29/10
Matrix SOIL
Solids, % 91.67
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	ND	0.30	0.30	mg/kg	11/2/10	11/3/10
Lead	7439-92-1	3050B	6010B	26.6	0.30	0.30	mg/kg	11/2/10	11/3/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V1101-11
Sample ID: B126 (9'-12')
Date collected: 9/29/10
Matrix SOIL
Solids, % 91.4
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	ND	0.32	0.32	mg/kg	11/2/10	11/3/10
Lead	7439-92-1	3050B	6010B	71.3	0.32	0.32	mg/kg	11/2/10	11/3/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V1101-11
Sample ID: B137 (0'-1.5')
Date collected: 9/29/10
Matrix SOIL
Solids, % 81.89
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	37.4	0.72	0.72	mg/kg	11/2/10	11/3/10
Barium	7440-39-3	3050B	6010B	205	0.36	0.36	mg/kg	11/2/10	11/3/10
Cadmium	7440-43-9	3050B	6010B	4.53	0.36	0.36	mg/kg	11/2/10	11/3/10
Chromium	7440-47-3	3050B	6010B	25.2	0.36	0.36	mg/kg	11/2/10	11/3/10
Lead	7439-92-1	3050B	6010B	287	0.36	0.36	mg/kg	11/2/10	11/3/10
Mercury	7439-97-6	NA	7471A	0.099	0.081	0.081	mg/kg	11/4/10	11/4/10
Selenium	7782-49-2	3050B	6010B	ND	0.72	0.72	mg/kg	11/2/10	11/3/10
Silver	7440-22-4	3050B	6010B	ND	0.36	0.36	mg/kg	11/2/10	11/3/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V1101-11
Sample ID: B137 (1.5'-3')
Date collected: 9/29/10
Matrix SOIL
Solids, % 80.61
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	17.1	0.77	0.77	mg/kg	11/2/10	11/3/10
Barium	7440-39-3	3050B	6010B	122	0.38	0.38	mg/kg	11/2/10	11/3/10
Cadmium	7440-43-9	3050B	6010B	1.77	0.38	0.38	mg/kg	11/2/10	11/3/10
Chromium	7440-47-3	3050B	6010B	17.7	0.38	0.38	mg/kg	11/2/10	11/3/10
Lead	7439-92-1	3050B	6010B	269	0.38	0.38	mg/kg	11/2/10	11/3/10
Mercury	7439-97-6	NA	7471A	0.198	0.077	0.077	mg/kg	11/4/10	11/4/10
Selenium	7782-49-2	3050B	6010B	ND	0.77	0.77	mg/kg	11/2/10	11/3/10
Silver	7440-22-4	3050B	6010B	ND	0.38	0.38	mg/kg	11/2/10	11/3/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V1101-11
Sample ID: B137 (3'-6')
Date collected: 9/29/10
Matrix SOIL
Solids, % 79.07
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	17.8	0.84	0.84	mg/kg	11/2/10	11/3/10
Barium	7440-39-3	3050B	6010B	152	0.42	0.42	mg/kg	11/2/10	11/3/10
Cadmium	7440-43-9	3050B	6010B	1.68	0.42	0.42	mg/kg	11/2/10	11/3/10
Chromium	7440-47-3	3050B	6010B	13.0	0.42	0.42	mg/kg	11/2/10	11/3/10
Lead	7439-92-1	3050B	6010B	158	0.42	0.42	mg/kg	11/2/10	11/3/10
Mercury	7439-97-6	NA	7471A	0.093	0.083	0.083	mg/kg	11/4/10	11/4/10
Selenium	7782-49-2	3050B	6010B	ND	0.84	0.84	mg/kg	11/2/10	11/3/10
Silver	7440-22-4	3050B	6010B	ND	0.42	0.42	mg/kg	11/2/10	11/3/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V1101-11
Sample ID: B137 (6'-9')
Date collected: 9/29/10
Matrix SOIL
Solids, % 66.55
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	ND	0.95	0.95	mg/kg	11/2/10	11/3/10
Barium	7440-39-3	3050B	6010B	145	0.47	0.47	mg/kg	11/2/10	11/3/10
Cadmium	7440-43-9	3050B	6010B	ND	0.47	0.47	mg/kg	11/2/10	11/3/10
Chromium	7440-47-3	3050B	6010B	21.2	0.47	0.47	mg/kg	11/2/10	11/3/10
Lead	7439-92-1	3050B	6010B	13.6	0.47	0.47	mg/kg	11/2/10	11/3/10
Mercury	7439-97-6	NA	7471A	ND	0.091	0.091	mg/kg	11/4/10	11/4/10
Selenium	7782-49-2	3050B	6010B	ND	0.95	0.95	mg/kg	11/2/10	11/3/10
Silver	7440-22-4	3050B	6010B	ND	0.47	0.47	mg/kg	11/2/10	11/3/10

ND indicates not Detected

All results are reported on a dry weight basis.

Sample ID: Preparation Blank
Matrix SOIL
Solids, % 100
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	ND	0.67	0.67	mg/kg	11/2/10	11/3/10
Barium	7440-39-3	3050B	6010B	ND	0.33	0.33	mg/kg	11/2/10	11/3/10
Cadmium	7440-43-9	3050B	6010B	ND	0.33	0.33	mg/kg	11/2/10	11/3/10
Chromium	7440-47-3	3050B	6010B	ND	0.33	0.33	mg/kg	11/2/10	11/3/10
Lead	7439-92-1	3050B	6010B	ND	0.33	0.33	mg/kg	11/2/10	11/3/10
Mercury	7439-97-6	NA	7471A	ND	0.067	0.067	mg/kg	11/4/10	11/4/10
Selenium	7782-49-2	3050B	6010B	ND	0.67	0.67	mg/kg	11/2/10	11/3/10
Silver	7440-22-4	3050B	6010B	ND	0.33	0.33	mg/kg	11/2/10	11/3/10

ND indicates not Detected

All results are reported on a dry weight basis.

LABORATORY CONTROL SAMPLE RECOVERY

Parameter	True Value	Result	Units	Recovery, %	Internal LCL, %	Internal UCL, %	Date Analyzed
Arsenic	13.3	13.3	mg/kg	100	80	108	11/3/10
Barium	66.7	64.0	mg/kg	96	80	112	11/3/10
Cadmium	66.7	64.0	mg/kg	96	80	110	11/3/10
Chromium	66.7	58.0	mg/kg	87	80	114	11/3/10
Lead	66.7	60.0	mg/kg	90	80	114	11/3/10
Mercury	0.133	0.133	mg/kg	100	80	120	11/4/10
Selenium	13.3	10.7	mg/kg	81	80	111	11/3/10
Silver	33.3	33.3	mg/kg	100	80	120	11/3/10

MATRIX SPIKE RESULTS

Sample: V1101-11 B135 0-1.5

Parameter	Sample Result	MS Fortification	MS Spike Result	Recovery, %	MSD Fortification	MSD Spike Result	Recovery, %	Units	RPD, %	Limit	Recovery Limits
Arsenic	2.77	27.9	**39.6**	132	27.9	**35.8**	118	mg/kg	11	**20**	**75-125**
Cadmium	21.1	140.0	**138**	84	140.0	**125**	74	mg/kg	12	**20**	**75-125**
Lead	6450	140.0	**8430**	1414	140.0	**7620**	836	mg/kg	51	**20**	**75-125**

Note: A spike recovery is not reported when the original sample concentration is significantly above the fortification amount.

Comments:

RESULTS: PCBs

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

Sample: B-137 (0-1.5')		Analyst's Initials: JW
Case No.: V1101-11		
Date Collected: 9/28/10		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	11/2/10	11/3/10
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	511	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	47	39-120
DCBP	45	34-140

*Dry Weight Basis

Sample: B-137 (1.5'-3')		Analyst's Initials: JW
Case No.: V1101-11		
Date Collected: 9/28/10		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	11/2/10	11/3/10
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	45	39-120
DCBP	42	34-140

*Dry Weight Basis

Sample: B-137 (3'-6')		Analyst's Initials: JW
Case No.: V1101-11		
Date Collected: 9/28/10		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	11/2/10	11/3/10
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	193	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	47	39-120
DCBP	42	34-140

*Dry Weight Basis

Sample: B-137 (6'-9')		Analyst's Initials: JW
Case No.: V1101-11		
Date Collected: 9/28/10		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	11/2/10	11/3/10
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	47	39-120
DCBP	45	34-140

*Dry Weight Basis

Sample: Method Blank		Analyst's Initials: JW
Case No.: V1101-11		
Date Collected: NA		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	11/2/10	11/3/10
Analytical Method: EPA 8082		
Compound	Concentration ug/kg (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	87	39-120
DCBP	79	34-140

PCB Laboratory Control Spike

Sample Matrix: Soil				
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3540C	11/2/10			11/3/10
Analytical Method: EPA 8082				
Compound	Amount Spiked mg/kg	Result mg/kg	Recovery %	Recovery Limits
Aroclor 1016	0.500	0.280	56	46-130
Aroclor 1260	0.500	0.306	61	55-130
Surrogates:				
Compound	% Recovery	Limits		
TCMX	52	39-120		
DCBP	42	34-140		

V1101-11

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494
Phone: (781) 449-1566
Fax: (888) 291-8355

Turn Around Time: Normal
Due Date: 11/10/10

Project Name: 2 Kansas street

COC# 2551

PO# 3483

Comments: Perchlorate request via email 11/8/10 CB

Collected By: KR

Sample ID	Collection (Date/Time)	Matrix	Preservative	# of Contrs	8260 (VOC)	5035 high/low	524.2 (VOC)	8270b (PAH's)	8270 (SVOC)	VPH (TPH)	EPH (TPH)	RCRA 8 (Metal)	8080 (PCB)	Cd	Pb	As - perchlorate	Asb. by PLM
B-135 (0-1.5')	9.28.10	Soil	—	1										X	X	X	
B-135 (1.5'-3')	"	"	—	1										X	X	X	
B-135 (3'-6')	"	"	—	1										X	X		
B-135 (6'-9')	"	"	—	1										X	X		
B-136 (0-1.5')	"	"	—	1										X	X	X	
B-136 (1.5'-3')	"	"	—	1										X	X	X	
B-136 (3'-6')	"	"	—	1										X	X		
B-136 (6'-9')	"	"	—	1										X	X		

Relinquished By:	Date/Time	Relinquished By:	Date/Time	Relinquished By:	Date/Time
		Earl A Dow	11/1/10 2:30		
Received By:	Date/Time	Received By:	Date/Time	Received By:	Date/Time
	11/1/10 11:55		11/1/10 14:30 ~~H-550m~~		

Notes: GW=Ground Water S=Sediments/Soil WW=Waste Water

5

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KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone: (781) 449-1566
Fax: (888) 291-8355

Turn Around Time: Normal
Due Date: 11/10/10

V1101-11

Project Name:	**COC#**	**Comments:**
2 KANSAS ST	2552	
	PO# 3484	
Collected By: K.D.		

Sample ID	Collection (Date/Time)	Matrix	Preservative	# of Contrs	8260 (VOC)	5035 high/low	524.2 (VOC)	8270b (PAH's)	8270 (SVOC)	VPH (TPH)	EPH (TPH)	RCRA 8 (Metal)	8080 (PCB)	Pb	cd		Asb. by PLM
B-123 (9'-12')	9.10.10	Soil	-	1										X	X		
B-126 (9'-12')	9.10.10	Soil	-	1										X	X		

Relinquished By: [signature] Date/Time 11/1/10
Received By: [signature] Date/Time 11/1/10 11:55

Relinquished By: [signature] Date/Time 11/1/10 2:38
Received By: [signature] Date/Time 11/1/10 14:30

Relinquished By: Date/Time
Received By: Date/Time

Notes: GW=Ground Water S=Sediments/Soil WW=Waste Water

5

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KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

V1101-11

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
Fax (888) 291-8355

Turn Around Time: Normal
Due Date: 11/10/10

Project Name: 2 Kansas Street

COC# 2551

PO# 3483

Comments:

Collected By: K.D.

Sample ID	Collection (Date/Time)	Matrix	Preservative	# of Contrs	8260 (VOC)	5035 high/low	524.2 (VOC)	8270b (PAH's)	8270 (SVOC)	VPH (TPH)	EPH (TPH)	RCRA 8 (Metal)	8080 (PCB)	PCB			Asb by PLM
B-137 (0-1.5')	9.28.10	Soil	—														
B-137 (1.5'-3')	"	"	—									X		X			
B-137 (3'-6')	"	"	—									X		X			
B-137 (6'-9')	"	"	—									X		X			
												X		X			

Relinquished By: Date/Time
11/1/10

Received By: Date/Time
11/1/10 11:55

Relinquished By: Date/Time
11/1/10 2:30

Received By: Date/Time
11/1/10 14:30

Relinquished By: Date/Time

Received By: Date/Time

Notes: SW=Ground Water S=Sediments/Soil WW=Waste Water

5

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number V0929-29 Revised

Prepared for:

Attn: Kevin Doherty
Knoll Environmental
60 Wexford St.
Needham, MA 02494

Report Date: November 3, 2010

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

Total # of Pages: 43

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc. Project #: 2547

Project Location: 2 Kansas Street RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
V0929-29

Matrices: Groundwater/Surface Water x Soil/Sediment Drinking Water Air Other:

CAM Protocol (check all that apply below):

8260 VOC CAM II A **x**	7470/7471 Hg CAM III B	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP APH CAM IX A
8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EPH CAM IV B	8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VOC CAM IX B
6010 Metals CAM III A **x**	6020 Metals CAM III D	8082 PCB CAM V A	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	X Yes No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	X Yes No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	X Yes No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	X Yes No
E	VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	Yes No Yes No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	X Yes No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	X Yes No[1]

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	X Yes No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	X Yes No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ **Position:** Laboratory Director

Printed Name: Richard Warila **Date:** 11/3/2010

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on September 29, 2010 and additional analysis was requested November 2, 2010. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is V0929-29.

Custody records are included in this report.

Site: 2 Kansas Street
COC#: 2547

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
B-123 6'-9'	9/10/10	Soil	Table II
B-125 6'-9'	9/10/10	Soil	Table II
B-126 6'-9'	9/10/10	Soil	Table II
B-128 0-1.5'	9/28/10	Soil	Table IV
B-128 1.5'-3'	9/28/10	Soil	Table IV
B-128 3'-6'	9/28/10	Soil	Table II,III
B-129 0-1.5'	9/28/10	Soil	Table II
B-129 1.5'-3'	9/28/10	Soil	Table II
B-129 3'-6'	9/28/10	Soil	Table II
B-130 0-1.5'	9/28/10	Soil	Table IV
B-130 1.5'-3'	9/28/10	Soil	Table IV
B-130 3'-6'	9/28/10	Soil	Table IV
B-130 3'-6' MS	9/28/10	Soil	Table IV
B-130 3'-6' MSD	9/28/10	Soil	Table IV
B-131 0-1.5'	9/28/10	Soil	Table II
B-131 1.5'-3'	9/28/10	Soil	Table II
B-131 3'-6'	9/28/10	Soil	Table II
B-132 0'-3'	9/28/10	Soil	Table V
B-133 0'-3'	9/28/10	Soil	Table V
B-134 0'-3'	9/28/10	Soil	Table V

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Total Metals		
Cadmium	3050B	6010B
Lead	3050B	6010B

TABLE III, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Total Metals		
Barium	3050B	6010B

TABLE IV, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Total Metals		
Arsenic	3050B	6010B
Barium	3050B	6010B
Cadmium	3050B	6010B
Lead	3050B	6010B

TABLE V, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Volatile Organic Compounds	5035	8260B

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.

CASE NARRATIVE:

Sample Receipt:

No trip blank was supplied. No field blank was supplied. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits.)

The samples were all appropriately cooled and preserved upon receipt. The samples for dissolved metals were filtered upon receipt to the laboratory.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

Metals:

All analyses were performed according to NETLAB's documented Standard Operating Procedures, within all required holding times, and with appropriate quality control measures. All QC was within laboratory established acceptance criteria. The samples were received, processed, and reported with no anomalies.

The Matrix spike/Matrix spike duplicate recoveries for sample B-130 3'-6' were outside of method allowable QC limits due to matrix interference. All other associated QC was within acceptable limits.

Volatile Organic Compounds:

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

METALS RESULTS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Metals Analysis Department certifies that the results included in this section have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

New England Testing Laboratory, Inc.

METALS RESULTS

Case Number: V0929-29
Sample ID: B-123 6'-9'
Date collected: 9/10/10
Matrix Soil
Solids, % 90.16
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	6.79	0.34	0.34	mg/kg	10/4/10	10/6/10
Lead	7439-92-1	3050B	6010B	946	0.34	0.34	mg/kg	10/4/10	10/6/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0929-29
Sample ID: B-125 6'-9'
Date collected: 9/10/10
Matrix Soil
Solids, % 93.48
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	ND	0.32	0.32	mg/kg	10/4/10	10/6/10
Lead	7439-92-1	3050B	6010B	21.5	0.32	0.32	mg/kg	10/4/10	10/6/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number:	V0929-29
Sample ID:	B-126 6'-9'
Date collected:	9/10/10
Matrix	Soil
Solids, %	89.43
Sample Type:	Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	1.16	0.34	0.34	mg/kg	10/4/10	10/6/10
Lead	7439-92-1	3050B	6010B	958	0.34	0.34	mg/kg	10/4/10	10/6/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0929-29
Sample ID: B-128 0-1.5'
Date collected: 9/28/10
Matrix Soil
Solids, % 86.58
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	19.7	0.74	0.74	mg/kg	10/4/10	10/6/10
Barium	7440-39-3	3050B	6010B	307	0.37	0.37	mg/kg	10/4/10	10/6/10
Cadmium	7440-43-9	3050B	6010B	90.7	0.37	0.37	mg/kg	10/4/10	10/6/10
Lead	7439-92-1	3050B	6010B	4280	0.37	0.37	mg/kg	10/4/10	10/6/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number:	V0929-29
Sample ID:	B-128 1.5'-3'
Date collected:	9/28/10
Matrix	Soil
Solids, %	87.35
Sample Type:	Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	8.34	0.74	0.74	mg/kg	10/4/10	10/6/10
Barium	7440-39-3	3050B	6010B	58.7	0.37	0.37	mg/kg	10/4/10	10/6/10
Cadmium	7440-43-9	3050B	6010B	3.03	0.37	0.37	mg/kg	10/4/10	10/6/10
Lead	7439-92-1	3050B	6010B	504	0.37	0.37	mg/kg	10/4/10	10/6/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0929-29
Sample ID: B-128 3'-6'
Date collected: 9/28/10
Matrix Soil
Solids, % 95.19
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Barium	7440-39-3	3050B	6010B	34.4	0.32	0.32	mg/kg	10/4/10	10/6/10
Cadmium	7440-43-9	3050B	6010B	0.97	0.32	0.32	mg/kg	10/4/10	10/6/10
Lead	7439-92-1	3050B	6010B	31.2	0.32	0.32	mg/kg	10/4/10	10/6/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number:	V0929-29
Sample ID:	B-129 0-1.5'
Date collected:	9/28/10
Matrix	Soil
Solids, %	93.39
Sample Type:	Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	ND	0.33	0.33	mg/kg	10/4/10	10/6/10
Lead	7439-92-1	3050B	6010B	268	0.33	0.33	mg/kg	10/4/10	10/6/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number:	V0929-29
Sample ID:	B-129 1.5'-3'
Date collected:	9/28/10
Matrix	Soil
Solids, %	95.04
Sample Type:	Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	ND	0.33	0.33	mg/kg	10/4/10	10/6/10
Lead	7439-92-1	3050B	6010B	39.4	0.33	0.33	mg/kg	10/4/10	10/6/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number:	V0929-29
Sample ID:	B-129 3'-6'
Date collected:	9/28/10
Matrix	Soil
Solids, %	92.39
Sample Type:	Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	ND	0.33	0.33	mg/kg	10/5/10	10/6/10
Lead	7439-92-1	3050B	6010B	10.1	0.33	0.33	mg/kg	10/5/10	10/6/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0929-29
Sample ID: B-130 0-1.5'
Date collected: 9/28/10
Matrix Soil
Solids, % 91.59
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	11.7	0.69	0.69	mg/kg	10/4/10	10/6/10
Barium	7440-39-3	3050B	6010B	48.2	0.35	0.35	mg/kg	10/4/10	10/6/10
Cadmium	7440-43-9	3050B	6010B	14.3	0.35	0.35	mg/kg	10/4/10	10/6/10
Lead	7439-92-1	3050B	6010B	208	0.35	0.35	mg/kg	10/4/10	10/6/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0929-29
Sample ID: B-130 1.5'-3'
Date collected: 9/28/10
Matrix Soil
Solids, % 87.87
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	8.64	0.73	0.73	mg/kg	10/4/10	10/6/10
Barium	7440-39-3	3050B	6010B	48.0	0.37	0.37	mg/kg	10/4/10	10/6/10
Cadmium	7440-43-9	3050B	6010B	1.24	0.37	0.37	mg/kg	10/4/10	10/6/10
Lead	7439-92-1	3050B	6010B	95.9	0.37	0.37	mg/kg	10/4/10	10/6/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0929-29
Sample ID: B-130 3'-6'
Date collected: 9/28/10
Matrix Soil
Solids, % 85.26
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	9.17	0.71	0.71	mg/kg	10/4/10	10/6/10
Barium	7440-39-3	3050B	6010B	48.1	0.35	0.35	mg/kg	10/4/10	10/6/10
Cadmium	7440-43-9	3050B	6010B	1.91	0.35	0.35	mg/kg	10/4/10	10/6/10
Lead	7439-92-1	3050B	6010B	1620	0.35	0.35	mg/kg	10/4/10	10/6/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0929-29
Sample ID: B-130 3'-6' MS
Date collected: 9/28/10
Matrix Soil
Solids, % 85.26
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	18.4	0.73	0.73	mg/kg	10/4/10	10/6/10
Barium	7440-39-3	3050B	6010B	97.0	0.36	0.36	mg/kg	10/4/10	10/6/10
Cadmium	7440-43-9	3050B	6010B	49.8	0.36	0.36	mg/kg	10/4/10	10/6/10
Lead	7439-92-1	3050B	6010B	210	0.36	0.36	mg/kg	10/4/10	10/6/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0929-29
Sample ID: B-130 3'-6' MSD
Date collected: 9/28/10
Matrix Soil
Solids, % 85.26
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	17.9	0.73	0.73	mg/kg	10/4/10	10/6/10
Barium	7440-39-3	3050B	6010B	97.0	0.36	0.36	mg/kg	10/4/10	10/6/10
Cadmium	7440-43-9	3050B	6010B	49.7	0.36	0.36	mg/kg	10/4/10	10/6/10
Lead	7439-92-1	3050B	6010B	209	0.36	0.36	mg/kg	10/4/10	10/6/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0929-29
Sample ID: B-131 0-1.5'
Date collected: 9/28/10
Matrix Soil
Solids, % 82.21
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	0.46	0.38	0.38	mg/kg	10/4/10	10/6/10
Lead	7439-92-1	3050B	6010B	278	0.38	0.38	mg/kg	10/4/10	10/6/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0929-29
Sample ID: B-131 1.5'-3'
Date collected: 9/28/10
Matrix Soil
Solids, % 81.96
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	0.78	0.39	0.39	mg/kg	10/4/10	10/6/10
Lead	7439-92-1	3050B	6010B	151	0.39	0.39	mg/kg	10/4/10	10/6/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0929-29
Sample ID: B-131 3'-6'
Date collected: 9/28/10
Matrix Soil
Solids, % 85.83
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	ND	0.35	0.35	mg/kg	10/4/10	10/6/10
Lead	7439-92-1	3050B	6010B	5.87	0.35	0.35	mg/kg	10/4/10	10/6/10

ND indicates not Detected

All results are reported on a dry weight basis.

Sample ID: Preparation Blank
Matrix SOIL
Solids, % 100
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	ND	0.67	0.67	mg/kg	10/4/10	10/6/10
Barium	7440-39-3	3050B	6010B	ND	0.33	0.33	mg/kg	10/4/10	10/6/10
Cadmium	7440-43-9	3050B	6010B	ND	0.33	0.33	mg/kg	10/4/10	10/6/10
Lead	7439-92-1	3050B	6010B	ND	0.33	0.33	mg/kg	10/4/10	10/6/10

ND indicates not Detected

All results are reported on a dry weight basis.

LABORATORY CONTROL SAMPLE RECOVERY

Parameter	True Value	Result	Units	Recovery, %	Internal LCL, %	Internal UCL, %	Date Analyzed
Arsenic	13.3	12.5	mg/kg	94	80	108	10/6/10
Barium	66.7	68.7	mg/kg	103	80	112	10/6/10
Cadmium	66.7	59.5	mg/kg	89	80	110	10/6/10
Lead	66.7	58.5	mg/kg	88	80	114	10/6/10

MATRIX SPIKE RESULTS

Sample: V0929-29 B-130 3'-6'

Parameter	Sample Result	MS Fortification	MS Spike Result	Recovery, %	MSD Fortification	MSD Spike Result	Recovery, %	Units	RPD, %	Limit	Recovery Limits
Arsenic	9.17	14.6	**18.4**	63	14.6	**17.9**	60	mg/kg	5.57	**20**	**75-125**
Barium	48.1	72.9	**97**	67	72.9	**97**	67	mg/kg	0.00	**20**	**75-125**
Cadmium	1.91	72.9	**49.8**	66	72.9	**49.7**	66	mg/kg	0.21	**20**	**75-125**
Lead	162	72.9	**210**	66	72.9	**209**	64	mg/kg	2.11	**20**	**75-125**

Note: A spike recovery is not reported when the original sample concentration is significantly above the fortification amount.

Comments:

RESULTS: VOLATILE ORGANIC COMPOUNDS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0929-29
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 15.7 (g/ml) G
% Moisture 8.85
Soil Extract Volume: _____ (uL)
Analyst's Initials: _____

Client Name: Knoll Environmental
Lab Sample ID: B-132 0'-3'
Lab File ID: C100507.D
Date Sampled: 9/28/2010
Date Analyzed: 10/5/2010
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
75-01-4	Vinyl Chloride	35	U
74-83-9	Bromomethane	35	U
75-00-3	Chloroethane	35	U
67-64-1	Acetone	180	U
75-35-4	1,1-Dichloroethene	35	U
75-15-0	Carbon Disulfide	35	U
75-09-2	Methylene Chloride	400	U
1634-04-4	tert-Butyl methyl ether	35	U
156-60-5	trans-1,2 Dichloroethene	35	U
75-34-3	1,1-Dichloroethane	35	U
78-93-3	2-Butanone	180	U
594-20-7	2,2-Dichloropropane	35	U
156-59-2	cis-1,2-Dichloroethene	35	U
67-66-3	Chloroform	35	U
74-97-5	Bromochloromethane	35	U
71-55-6	1,1,1-Trichloroethane	35	U
563-58-6	1,1-Dichloropropene	35	U
56-23-5	Carbon Tetrachloride	35	U
71-43-2	Benzene	35	U
107-06-2	1,2-Dichloroethane	35	U
79-01-6	Trichloroethene	230	
78-87-5	1,2-Dichloropropane	35	U
75-27-4	Bromodichloromethane	35	U
74-95-3	Dibromomethane	35	U
108-10-1	4-Methyl-2-pentanone	180	U
106-93-4	Ethylene Dibromide	35	U
10061-01-5	cis-1,3-Dichloropropene	35	U
108-88-3	Toluene	35	U
10061-02-6	Trans-1,3-Dichloropropene	35	U
79-00-5	1,1,2-Trichloroethane	35	U
591-78-6	2-Hexanone	180	U
127-18-4	Tetrachloroethene	35	U
124-48-1	Chlorodibromomethane	35	U
108-90-7	Chlorobenzene	35	U
630-20-6	1,1,1,2-Tetrachloroethane	35	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0929-29
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 15.7 (g/ml) G
% Moisture 8.85
Soil Extract Volume: _____ (uL)
Analyst's Initials: _____

Client Name: Knoll Environmental
Lab Sample ID: B-132 0'-3'
Lab File ID: C100507.D
Date Sampled: 9/28/2010
Date Analyzed: 10/5/2010
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
100-41-4	Ethylbenzene	35	U
1330-20-7	m & p-Xylene	70	U
95-47-6	o-Xylene	35	U
100-42-5	Styrene	35	U
75-25-2	Bromoform	35	U
98-82-8	Isopropylbenzene	35	U
79-34-5	1,1,2,2-Tetrachloroethane	35	U
108-86-1	Bromobenzene	35	U
96-18-4	1,2,3-Trichloropropane	35	U
95-49-8	2-Chlorotoluene	35	U
103-65-1	n-Propylbenzene	35	U
108-67-8	1,3,5-Trimethylbenzene	35	U
106-43-4	4-Chlorotoluene	35	U
98-06-6	tert-Butylbenzene	35	U
95-63-6	1,2,4-Trimethylbenzene	35	U
135-98-8	sec-Butylbenzene	35	U
99-87-6	p-Isopropyltoluene	35	U
75-87-3	Chloromethane	35	U
75-65-0	tert butyl alcohol	35	U
541-73-1	1,3-Dichlorobenzene	35	U
109-99-9	Tetrahydrofuran	35	U
106-46-7	1,4-Dichlorobenzene	35	U
60-29-7	Diethyl Ether	35	U
104-51-8	n-Butylbenzene	35	U
95-50-1	1,2-Dichlorobenzene	35	U
96-12-8	1,2-Dibromo-3-chloropropane	35	U
120-82-1	1,2,4-Trichlorobenzene	35	U
87-68-3	Hexachlorobutadiene	35	U
91-20-3	Naphthalene	35	U
87-61-6	1,2,3-Trichlorobenzene	35	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0929-29
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 16.1 (g/ml) G
% Moisture 8.85
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: B-133 0'-3'
Lab File ID: C100115.D
Date Sampled: 9/28/2010
Date Analyzed: 10/1/2010
Dilution Factor: 1.0,20
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
75-01-4	Vinyl Chloride	34	U
74-83-9	Bromomethane	34	U
75-00-3	Chloroethane	34	U
67-64-1	Acetone	170	U
75-35-4	1,1-Dichloroethene	34	U
75-15-0	Carbon Disulfide	34	U
75-09-2	Methylene Chloride	200	U
1634-04-4	tert-Butyl methyl ether	34	U
156-60-5	trans-1,2 Dichloroethene	34	U
75-34-3	1,1-Dichloroethane	34	U
78-93-3	2-Butanone	170	U
594-20-7	2,2-Dichloropropane	34	U
156-59-2	cis-1,2-Dichloroethene	40	
67-66-3	Chloroform	34	U
74-97-5	Bromochloromethane	34	U
71-55-6	1,1,1-Trichloroethane	34	U
563-58-6	1,1-Dichloropropene	34	U
56-23-5	Carbon Tetrachloride	34	U
71-43-2	Benzene	34	U
107-06-2	1,2-Dichloroethane	34	U
79-01-6	Trichloroethene	40000	
78-87-5	1,2-Dichloropropane	34	U
75-27-4	Bromodichloromethane	34	U
74-95-3	Dibromomethane	34	U
108-10-1	4-Methyl-2-pentanone	170	U
106-93-4	Ethylene Dibromide	34	U
10061-01-5	cis-1,3-Dichloropropene	34	U
108-88-3	Toluene	34	U
10061-02-6	Trans-1,3-Dichloropropene	34	U
79-00-5	1,1,2-Trichloroethane	34	U
591-78-6	2-Hexanone	170	U
127-18-4	Tetrachloroethene	530	
124-48-1	Chlorodibromomethane	34	U
108-90-7	Chlorobenzene	34	U
630-20-6	1,1,1,2-Tetrachloroethane	34	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0929-29
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 16.1 (g/ml) G
% Moisture 8.85
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: B-133 0'-3'
Lab File ID: C100115.D
Date Sampled: 9/28/2010
Date Analyzed: 10/1/2010
Dilution Factor: 1.0,20
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
100-41-4	Ethylbenzene	34	U
1330-20-7	m & p-Xylene	68	U
95-47-6	o-Xylene	34	U
100-42-5	Styrene	34	U
75-25-2	Bromoform	34	U
98-82-8	Isopropylbenzene	34	U
79-34-5	1,1,2,2-Tetrachloroethane	34	U
108-86-1	Bromobenzene	34	U
96-18-4	1,2,3-Trichloropropane	34	U
95-49-8	2-Chlorotoluene	34	U
103-65-1	n-Propylbenzene	34	U
108-67-8	1,3,5-Trimethylbenzene	34	U
106-43-4	4-Chlorotoluene	34	U
98-06-6	tert-Butylbenzene	34	U
95-63-6	1,2,4-Trimethylbenzene	34	U
135-98-8	sec-Butylbenzene	34	U
99-87-6	p-Isopropyltoluene	34	U
75-87-3	Chloromethane	34	U
75-65-0	tert butyl alcohol	34	U
541-73-1	1,3-Dichlorobenzene	34	U
109-99-9	Tetrahydrofuran	34	U
106-46-7	1,4-Dichlorobenzene	34	U
60-29-7	Diethyl Ether	34	U
104-51-8	n-Butylbenzene	34	U
95-50-1	1,2-Dichlorobenzene	34	U
96-12-8	1,2-Dibromo-3-chloropropane	34	U
120-82-1	1,2,4-Trichlorobenzene	34	U
87-68-3	Hexachlorobutadiene	34	U
91-20-3	Naphthalene	34	U
87-61-6	1,2,3-Trichlorobenzene	34	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0929-29
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 17.2 (g/ml) G
% Moisture 8.85
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: B-134 0'-3'
Lab File ID: C100114.D
Date Sampled: 9/28/2010
Date Analyzed: 10/1/2010
Dilution Factor: 1.0,2
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
75-01-4	Vinyl Chloride	32	U
74-83-9	Bromomethane	32	U
75-00-3	Chloroethane	32	U
67-64-1	Acetone	160	U
75-35-4	1,1-Dichloroethene	32	U
75-15-0	Carbon Disulfide	32	U
75-09-2	Methylene Chloride	200	U
1634-04-4	tert-Butyl methyl ether	32	U
156-60-5	trans-1,2 Dichloroethene	32	U
75-34-3	1,1-Dichloroethane	32	U
78-93-3	2-Butanone	160	U
594-20-7	2,2-Dichloropropane	32	U
156-59-2	cis-1,2-Dichloroethene	32	U
67-66-3	Chloroform	32	U
74-97-5	Bromochloromethane	32	U
71-55-6	1,1,1-Trichloroethane	32	U
563-58-6	1,1-Dichloropropene	32	U
56-23-5	Carbon Tetrachloride	32	U
71-43-2	Benzene	32	U
107-06-2	1,2-Dichloroethane	32	U
79-01-6	Trichloroethene	5600	
78-87-5	1,2-Dichloropropane	32	U
75-27-4	Bromodichloromethane	32	U
74-95-3	Dibromomethane	32	U
108-10-1	4-Methyl-2-pentanone	160	U
106-93-4	Ethylene Dibromide	32	U
10061-01-5	cis-1,3-Dichloropropene	32	U
108-88-3	Toluene	32	U
10061-02-6	Trans-1,3-Dichloropropene	32	U
79-00-5	1,1,2-Trichloroethane	32	U
591-78-6	2-Hexanone	160	U
127-18-4	Tetrachloroethene	32	U
124-48-1	Chlorodibromomethane	32	U
108-90-7	Chlorobenzene	32	U
630-20-6	1,1,1,2-Tetrachloroethane	32	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0929-29
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 17.2 (g/ml) G
% Moisture 8.85
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: B-134 0'-3'
Lab File ID: C100114.D
Date Sampled: 9/28/2010
Date Analyzed: 10/1/2010
Dilution Factor: 1.0,2
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
100-41-4	Ethylbenzene	32	U
1330-20-7	m & p-Xylene	64	U
95-47-6	o-Xylene	32	U
100-42-5	Styrene	32	U
75-25-2	Bromoform	32	U
98-82-8	Isopropylbenzene	32	U
79-34-5	1,1,2,2-Tetrachloroethane	32	U
108-86-1	Bromobenzene	32	U
96-18-4	1,2,3-Trichloropropane	32	U
95-49-8	2-Chlorotoluene	32	U
103-65-1	n-Propylbenzene	32	U
108-67-8	1,3,5-Trimethylbenzene	32	U
106-43-4	4-Chlorotoluene	32	U
98-06-6	tert-Butylbenzene	32	U
95-63-6	1,2,4-Trimethylbenzene	32	U
135-98-8	sec-Butylbenzene	32	U
99-87-6	p-Isopropyltoluene	32	U
75-87-3	Chloromethane	32	U
75-65-0	tert butyl alcohol	32	U
541-73-1	1,3-Dichlorobenzene	32	U
109-99-9	Tetrahydrofuran	32	U
106-46-7	1,4-Dichlorobenzene	32	U
60-29-7	Diethyl Ether	32	U
104-51-8	n-Butylbenzene	32	U
95-50-1	1,2-Dichlorobenzene	32	U
96-12-8	1,2-Dibromo-3-chloropropane	32	U
120-82-1	1,2,4-Trichlorobenzene	32	U
87-68-3	Hexachlorobutadiene	32	U
91-20-3	Naphthalene	32	U
87-61-6	1,2,3-Trichlorobenzene	32	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0929-29
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 10.0 (g/ml) G
% Moisture 0
Soil Extract Volume: _____ (uL)
Analyst's Initials: _____

Client Name: Knoll Environmental
Lab Sample ID: VBLK100110
Lab File ID: C100107.D
Date Sampled: 9/28/2010
Date Analyzed: 10/1/2010
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
75-01-4	Vinyl Chloride	50	U
74-83-9	Bromomethane	50	U
75-00-3	Chloroethane	50	U
67-64-1	Acetone	250	U
75-35-4	1,1-Dichloroethene	50	U
75-15-0	Carbon Disulfide	50	U
75-09-2	Methylene Chloride	50	U
1634-04-4	tert-Butyl methyl ether	50	U
156-60-5	trans-1,2 Dichloroethene	50	U
75-34-3	1,1-Dichloroethane	50	U
78-93-3	2-Butanone	250	U
594-20-7	2,2-Dichloropropane	50	U
156-59-2	cis-1,2-Dichloroethene	50	U
67-66-3	Chloroform	50	U
74-97-5	Bromochloromethane	50	U
71-55-6	1,1,1-Trichloroethane	50	U
563-58-6	1,1-Dichloropropene	50	U
56-23-5	Carbon Tetrachloride	50	U
71-43-2	Benzene	50	U
107-06-2	1,2-Dichloroethane	50	U
79-01-6	Trichloroethene	50	U
78-87-5	1,2-Dichloropropane	50	U
75-27-4	Bromodichloromethane	50	U
74-95-3	Dibromomethane	50	U
108-10-1	4-Methyl-2-pentanone	250	U
106-93-4	Ethylene Dibromide	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
108-88-3	Toluene	50	U
10061-02-6	Trans-1,3-Dichloropropene	50	U
79-00-5	1,1,2-Trichloroethane	50	U
591-78-6	2-Hexanone	250	U
127-18-4	Tetrachloroethene	50	U
124-48-1	Chlorodibromomethane	50	U
108-90-7	Chlorobenzene	50	U
630-20-6	1,1,1,2-Tetrachloroethane	50	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0929-29
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 10.0 (g/ml) G
% Moisture 0
Soil Extract Volume: _____ (uL)
Analyst's Initials: _____

Client Name: Knoll Environmental
Lab Sample ID: VBLK100110
Lab File ID: C100107.D
Date Sampled: 9/28/2010
Date Analyzed: 10/1/2010
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
100-41-4	Ethylbenzene	50	U
1330-20-7	m & p-Xylene	100	U
95-47-6	o-Xylene	50	U
100-42-5	Styrene	50	U
75-25-2	Bromoform	50	U
98-82-8	Isopropylbenzene	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
108-86-1	Bromobenzene	50	U
96-18-4	1,2,3-Trichloropropane	50	U
95-49-8	2-Chlorotoluene	50	U
103-65-1	n-Propylbenzene	50	U
108-67-8	1,3,5-Trimethylbenzene	50	U
106-43-4	4-Chlorotoluene	50	U
98-06-6	tert-Butylbenzene	50	U
95-63-6	1,2,4-Trimethylbenzene	50	U
135-98-8	sec-Butylbenzene	50	U
99-87-6	p-Isopropyltoluene	50	U
75-87-3	Chloromethane	50	U
75-65-0	tert butyl alcohol	50	U
541-73-1	1,3-Dichlorobenzene	50	U
109-99-9	Tetrahydrofuran	50	U
106-46-7	1,4-Dichlorobenzene	50	U
60-29-7	Diethyl Ether	50	U
104-51-8	n-Butylbenzene	50	U
95-50-1	1,2-Dichlorobenzene	50	U
96-12-8	1,2-Dibromo-3-chloropropane	50	U
120-82-1	1,2,4-Trichlorobenzene	50	U
87-68-3	Hexachlorobutadiene	50	U
91-20-3	Naphthalene	50	U
87-61-6	1,2,3-Trichlorobenzene	50	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0929-29
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 10.0 (g/ml) G
% Moisture 0
Soil Extract Volume: _____ (uL)
Analyst's Initials: _____

Client Name: Knoll Environmental
Lab Sample ID: VBLK100510
Lab File ID: C100506.D
Date Sampled: 9/28/2010
Date Analyzed: 10/5/2010
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
75-01-4	Vinyl Chloride	50	U
74-83-9	Bromomethane	50	U
75-00-3	Chloroethane	50	U
67-64-1	Acetone	250	U
75-35-4	1,1-Dichloroethene	50	U
75-15-0	Carbon Disulfide	50	U
75-09-2	Methylene Chloride	50	U
1634-04-4	tert-Butyl methyl ether	50	U
156-60-5	trans-1,2 Dichloroethene	50	U
75-34-3	1,1-Dichloroethane	50	U
78-93-3	2-Butanone	250	U
594-20-7	2,2-Dichloropropane	50	U
156-59-2	cis-1,2-Dichloroethene	50	U
67-66-3	Chloroform	50	U
74-97-5	Bromochloromethane	50	U
71-55-6	1,1,1-Trichloroethane	50	U
563-58-6	1,1-Dichloropropene	50	U
56-23-5	Carbon Tetrachloride	50	U
71-43-2	Benzene	50	U
107-06-2	1,2-Dichloroethane	50	U
79-01-6	Trichloroethene	50	U
78-87-5	1,2-Dichloropropane	50	U
75-27-4	Bromodichloromethane	50	U
74-95-3	Dibromomethane	50	U
108-10-1	4-Methyl-2-pentanone	250	U
106-93-4	Ethylene Dibromide	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
108-88-3	Toluene	50	U
10061-02-6	Trans-1,3-Dichloropropene	50	U
79-00-5	1,1,2-Trichloroethane	50	U
591-78-6	2-Hexanone	250	U
127-18-4	Tetrachloroethene	50	U
124-48-1	Chlorodibromomethane	50	U
108-90-7	Chlorobenzene	50	U
630-20-6	1,1,1,2-Tetrachloroethane	50	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0929-29
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 10.0 (g/ml) G
% Moisture 0
Soil Extract Volume: _____ (uL)
Analyst's Initials: _____

Client Name: Knoll Environmental
Lab Sample ID: VBLK100510
Lab File ID: C100506.D
Date Sampled: 9/28/2010
Date Analyzed: 10/5/2010
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
100-41-4	Ethylbenzene	50	U
1330-20-7	m & p-Xylene	100	U
95-47-6	o-Xylene	50	U
100-42-5	Styrene	50	U
75-25-2	Bromoform	50	U
98-82-8	Isopropylbenzene	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
108-86-1	Bromobenzene	50	U
96-18-4	1,2,3-Trichloropropane	50	U
95-49-8	2-Chlorotoluene	50	U
103-65-1	n-Propylbenzene	50	U
108-67-8	1,3,5-Trimethylbenzene	50	U
106-43-4	4-Chlorotoluene	50	U
98-06-6	tert-Butylbenzene	50	U
95-63-6	1,2,4-Trimethylbenzene	50	U
135-98-8	sec-Butylbenzene	50	U
99-87-6	p-Isopropyltoluene	50	U
75-87-3	Chloromethane	50	U
75-65-0	tert butyl alcohol	50	U
541-73-1	1,3-Dichlorobenzene	50	U
109-99-9	Tetrahydrofuran	50	U
106-46-7	1,4-Dichlorobenzene	50	U
60-29-7	Diethyl Ether	50	U
104-51-8	n-Butylbenzene	50	U
95-50-1	1,2-Dichlorobenzene	50	U
96-12-8	1,2-Dibromo-3-chloropropane	50	U
120-82-1	1,2,4-Trichlorobenzene	50	U
87-68-3	Hexachlorobutadiene	50	U
91-20-3	Naphthalene	50	U
87-61-6	1,2,3-Trichlorobenzene	50	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: New England testing Laboratory Contract: 2 Kansas Street

Lab Code: RI010 Case No.: V0929-29 SAS No.: Knoll E SDG No.: Knoll Envir

Level: (low/med) MED

	EPA SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	TOT OUT
01	LCS100110	107	103	106	0
02	LCSD100110	105	96	105	0
03	VBLK100110	93	95	81	0
04	B-134 0'-3'	86	90	95	0
05	B-133 0'-3'	89	129	91	0
06	LCS100510	110	99	97	0
07	LCSD100510	105	102	104	0
08	VBLK100510	94	102	91	0
09	B-132 0'-3'	87	95	88	0

QC LIMITS

SMC1	=	4-Bromofluorobenzene	(70-130)
SMC2	=	Toluene-D8	(70-130)
SMC3	=	1,2-Dichloroethane-D4	(70-130)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

Volatile Organics LCS and LCSD Duplicate Results

LCS100510

Compound	LCS True Value	LCS Result	Recovery, %	LCSD True Value	LCSD Result	Recovery, %	Recovery QC Limits	Units	RPD, %	RPD Limits
Dichlorodifluoromethane	50	52.7	**105**	50	47.61	**95**	70-130%	ug/L	**10.1**	20.0
Chloromethane	50	47.9	**96**	50	43.74	**87**	70-130%	ug/L	**9.1**	20.0
Vinyl Chloride	50	48.1	**96**	50	43.86	**88**	70-130%	ug/L	**9.3**	20.0
Chloroethane	50	43.5	**87**	50	36.54	**73**	70-130%	ug/L	**17.4**	20.0
Trichlorofluoromethane	50	46.5	**93**	50	42.71	**85**	70-130%	ug/L	**8.5**	20.0
1,1-Dichloroethene	50	45.7	**91**	50	43.08	**86**	70-130%	ug/L	**6**	20.0
Carbon Disulfide	50	46.6	**93**	50	43.41	**87**	70-130%	ug/L	**7.1**	20.0
Methylene Chloride	50	47.3	**95**	50	47.16	**94**	70-130%	ug/L	**0.2**	20.0
Acetone	50	55.9	**112**	50	60.62	**121**	70-130%	ug/L	**8.1**	20.0
Trans-1,2-dichloroethene	50	46.2	**92**	50	44.31	**89**	70-130%	ug/L	**4.2**	20.0
Tert-butyl Methyl Ether	50	48.3	**97**	50	47.48	**95**	70-130%	ug/L	**1.6**	20.0
Diisopropyl Ether	50	53.0	**106**	50	48.09	**96**	70-130%	ug/L	**9.7**	20.0
1,1-Dichloroethane	50	54.2	**108**	50	48.73	**97**	70-130%	ug/L	**10.6**	20.0
Ethyl Tery-butyl Ether	50	49.6	**99**	50	47.44	**95**	70-130%	ug/L	**4.4**	20.0
Cis-1,2-dichloroethene	50	51.9	**104**	50	49.02	**98**	70-130%	ug/L	**5.6**	20.0
2,2-Dichloropropane	50	53.6	**107**	50	49.41	**99**	70-130%	ug/L	**8.1**	20.0
Bromochloromethane	50	48.6	**97**	50	45.65	**91**	70-130%	ug/L	**6.3**	20.0
Chloroform	50	50.7	**101**	50	47.62	**95**	70-130%	ug/L	**6.3**	20.0
Carbon Tetrachloride	50	48.5	**97**	50	43.94	**88**	70-130%	ug/L	**9.9**	20.0
1,1,1-Trichloroethane	50	49.8	**100**	50	42.11	**84**	70-130%	ug/L	**16.6**	20.0
2-Butanone	50	54.5	**109**	50	57.29	**115**	70-130%	ug/L	**4.9**	20.0
1,1-Dichloropropene	50	52.7	**105**	50	46.68	**93**	70-130%	ug/L	**12.1**	20.0
Benzene	50	50.9	**102**	50	46.08	**92**	70-130%	ug/L	**9.8**	20.0
Tert-butyl Alcohol	50	51.9	**104**	50	51.62	**103**	70-130%	ug/L	**0.6**	20.0
Tert-amyl Methyl Ether	50	49.0	**98**	50	46.30	**93**	70-130%	ug/L	**5.7**	20.0
1,2-Dichloroethane	50	50.6	**101**	50	46.14	**92**	70-130%	ug/L	**9.2**	20.0
Trichloroethene	50	49.4	**99**	50	45.26	**91**	70-130%	ug/L	**8.7**	20.0
Dibromomethane	50	51.0	**102**	50	48.64	**97**	70-130%	ug/L	**4.8**	20.0
1,2-Dichloropropane	50	53.8	**108**	50	49.90	**100**	70-130%	ug/L	**7.5**	20.0
Bromodichloromethane	50	54.0	**108**	50	49.54	**99**	70-130%	ug/L	**8.6**	20.0
Cis-1,3-dichloropropene	50	34.2	**68**	50	31.68	**63**	70-130%	ug/L	**7.7**	20.0
2-CEVE	50	44.1	**88**	50	42.54	**85**	70-130%	ug/L	**3.6**	20.0
Toluene	50	46.4	**93**	50	43.31	**87**	70-130%	ug/L	**7.0**	20.0
4-Methyl-2-Pentanone	50	41.8	**84**	50	43.94	**88**	70-130%	ug/L	**5.0**	20.0
Tetrachloroethene	50	45.9	**92**	50	44.26	**89**	70-130%	ug/L	**3.6**	20.0
Trans-1,3-Dichloropropene	50	45.1	**90**	50	45.20	**90**	70-130%	ug/L	**0.3**	20.0
1,1,2-Trichloroethane	50	50.3	**101**	50	46.43	**93**	70-130%	ug/L	**8.0**	20.0
Dibromochloromethane	50	45.9	**92**	50	41.65	**83**	70-130%	ug/L	**9.6**	20.0
1,3-Dichloropropane	50	49.7	**99**	50	46.81	**94**	70-130%	ug/L	**5.9**	20.0
1,2-Dibromoethane	50	48.5	**97**	50	47.70	**95**	70-130%	ug/L	**1.7**	20.0
2-Hexanone	50	25.3	**51**	50	48.98	**98**	70-130%	ug/L	**63.9**	20.0
Chlorobenzene	50	47.7	**95**	50	46.18	**92**	70-130%	ug/L	**3.2**	20.0
Ethylbenzene	100	44.6	**45**	100	44.66	**45**	70-130%	ug/L	**0.2**	20.0
m,p-Xylene	50	96.9	**194**	50	96.53	**193**	70-130%	ug/L	**0.4**	20.0
1,1,1,2-Tetrachloroethane	50	45.1	**90**	50	44.78	**90**	70-130%	ug/L	**0.6**	20.0
o-Xylene	50	49.7	**99**	50	49.09	**98**	70-130%	ug/L	**1.3**	20.0
Styrene	50	43.1	**86**	50	44.11	**88**	70-130%	ug/L	**2.3**	20.0
Bromoform	50	43.2	**86**	50	43.91	**88**	70-130%	ug/L	**1.7**	20.0
Isopropylbenzene	50	44.9	**90**	50	45.13	**90**	70-130%	ug/L	**0.4**	20.0
Bromobenzene	50	45.9	**92**	50	47.76	**96**	70-130%	ug/L	**4.0**	20.0
n-Propylbenzene	50	44.8	**90**	50	44.91	**90**	70-130%	ug/L	**0.2**	20.0
1,1,2,2-Tetrachloroethene	50	50.4	**101**	50	52.11	**104**	70-130%	ug/L	**3.3**	20.0
2-Chlorotoluene	50	43.4	**87**	50	44.61	**89**	70-130%	ug/L	**2.7**	20.0
1,2,3-Trichloropropane	50	47.5	**95**	50	49.49	**99**	70-130%	ug/L	**4.1**	20.0
1,3,5-Trimethylbenzene	50	47.7	**95**	50	48.35	**97**	70-130%	ug/L	**1.5**	20.0
4-Chlorotoluene	50	43.8	**88**	50	42.72	**85**	70-130%	ug/L	**2.5**	20.0
Tert-butylbenzene	50	48.6	**97**	50	49.99	**100**	70-130%	ug/L	**2.8**	20.0
1,2,4-Trimethylbenzene	50	47.4	**95**	50	47.41	**95**	70-130%	ug/L	**0.0**	20.0
Sec-butylbenzene	50	42.3	**85**	50	42.93	**86**	70-130%	ug/L	**1.5**	20.0
p-Isopropyltoluene	50	47.2	**94**	50	48.21	**96**	70-130%	ug/L	**2.2**	20.0
1,3-Dichlorobenzene	50	46.0	**92**	50	46.86	**94**	70-130%	ug/L	**1.8**	20.0
1,4-Dichlorobenzene	50	46.5	**93**	50	45.95	**92**	70-130%	ug/L	**1.1**	20.0
n-Butyl Bezene	50	51.9	**104**	50	52.61	**105**	70-130%	ug/L	**1.4**	20.0
1,2-Dichlorbenzene	50	47.3	**95**	50	47.43	**95**	70-130%	ug/L	**0.2**	20.0
1,2-Dibromo-3-chloropr...	50	50.2	**100**	50	54.45	**109**	70-130%	ug/L	**8.1**	20.0
Hexachlorobutadiene	50	44.6	**89**	50	46.22	**92**	70-130%	ug/L	**3.6**	20.0
1,2,4-Trichlorobenzene	50	42.9	**86**	50	44.25	**89**	70-130%	ug/L	**3.1**	20.0
Naphthalene	50	48.9	**98**	50	53.40	**107**	70-130%	ug/L	**8.8**	20.0
1,2,3-Trichlorobenzene	50	47.0	**94**	50	48.27	**97**	70-130%	ug/L	**2.6**	20.0

Volatile Organics LCS and LCSD Duplicate Results

LCS100510

Compound	LCS True Value	LCS Result	Recovery, %	LCSD True Value	LCSD Result	Recovery, %	Recovery QC Limits	Units	RPD, %	RPD Limits
Dichlorodifluoromethane	50	47.9	**96**	50	53.1	**106**	70-130%	ug/L	**10.3**	20.0
Chloromethane	50	49.2	**98**	50	52.8	**106**	70-130%	ug/L	**7.0**	20.0
Vinyl Chloride	50	48.8	**98**	50	54.1	**108**	70-130%	ug/L	**10.4**	20.0
Chloroethane	50	62.6	**125**	50	62.6	**125**	70-130%	ug/L	**0.1**	20.0
Trichlorofluoromethane	50	51.7	**103**	50	57.4	**115**	70-130%	ug/L	**10.4**	20.0
1,1-Dichloroethene	50	42.5	**85**	50	46.0	**92**	70-130%	ug/L	**8**	20.0
Carbon Disulfide	50	44.9	**90**	50	49.1	**98**	70-130%	ug/L	**8.9**	20.0
Methylene Chloride	50	45.7	**91**	50	44.3	**89**	70-130%	ug/L	**3.2**	20.0
Acetone	50	48.3	**97**	50	51.8	**104**	70-130%	ug/L	**6.9**	20.0
Trans-1,2-dichloroethene	50	46.1	**92**	50	47.3	**95**	70-130%	ug/L	**2.6**	20.0
Tert-butyl Methyl Ether	50	45.8	**92**	50	43.5	**87**	70-130%	ug/L	**5.2**	20.0
Diisopropyl Ether	50	49.2	**98**	50	52.2	**104**	70-130%	ug/L	**5.9**	20.0
1,1-Dichloroethane	50	49.6	**99**	50	52.9	**106**	70-130%	ug/L	**6.6**	20.0
Ethyl Tery-butyl Ether	50	45.5	**91**	50	46.0	**92**	70-130%	ug/L	**0.9**	20.0
Cis-1,2-dichloroethene	50	45.6	**91**	50	52.6	**105**	70-130%	ug/L	**14.2**	20.0
2,2-Dichloropropane	50	51.4	**103**	50	52.8	**106**	70-130%	ug/L	**2.6**	20.0
Bromochloromethane	50	42.1	**84**	50	43.7	**87**	70-130%	ug/L	**3.8**	20.0
Chloroform	50	49.0	**98**	50	51.4	**103**	70-130%	ug/L	**4.7**	20.0
Carbon Tetrachloride	50	43.8	**88**	50	46.2	**92**	70-130%	ug/L	**5.4**	20.0
1,1,1-Trichloroethane	50	45.5	**91**	50	49.2	**98**	70-130%	ug/L	**7.9**	20.0
2-Butanone	50	45.5	**91**	50	51.2	**102**	70-130%	ug/L	**11.7**	20.0
1,1-Dichloropropene	50	48.7	**97**	50	50.7	**101**	70-130%	ug/L	**4.0**	20.0
Benzene	50	49.0	**98**	50	49.7	**99**	70-130%	ug/L	**1.4**	20.0
Tert-butyl Alcohol	50	43.2	**86**	50	37.2	**74**	70-130%	ug/L	**14.8**	20.0
Tert-amyl Methyl Ether	50	45.4	**91**	50	46.7	**93**	70-130%	ug/L	**3.0**	20.0
1,2-Dichloroethane	50	51.6	**103**	50	53.1	**106**	70-130%	ug/L	**2.8**	20.0
Trichloroethene	50	44.4	**89**	50	46.8	**94**	70-130%	ug/L	**5.3**	20.0
Dibromomethane	50	44.7	**89**	50	44.9	**90**	70-130%	ug/L	**0.5**	20.0
1,2-Dichloropropane	50	46.5	**93**	50	47.1	**94**	70-130%	ug/L	**1.4**	20.0
Bromodichloromethane	50	48.4	**97**	50	51.7	**103**	70-130%	ug/L	**6.6**	20.0
Cis-1,3-dichloropropene	50	35.3	**71**	50	37.0	**74**	70-130%	ug/L	**4.6**	20.0
2-CEVE	50	45.2	**90**	50	45.7	**91**	70-130%	ug/L	**1.1**	20.0
Toluene	50	43.1	**86**	50	45.7	**91**	70-130%	ug/L	**5.9**	20.0
4-Methyl-2-Pentanone	50	41.1	**82**	50	40.3	**81**	70-130%	ug/L	**1.9**	20.0
Tetrachloroethene	50	45.6	**91**	50	47.1	**94**	70-130%	ug/L	**3.2**	20.0
Trans-1,3-Dichloropropene	50	46.4	**93**	50	44.8	**90**	70-130%	ug/L	**3.5**	20.0
1,1,2-Trichloroethane	50	49.8	**100**	50	51.8	**104**	70-130%	ug/L	**3.9**	20.0
Dibromochloromethane	50	43.7	**87**	50	51.7	**103**	70-130%	ug/L	**16.7**	20.0
1,3-Dichloropropane	50	47.7	**95**	50	49.2	**98**	70-130%	ug/L	**3.2**	20.0
1,2-Dibromoethane	50	50.0	**100**	50	49.3	**99**	70-130%	ug/L	**1.4**	20.0
2-Hexanone	50	37.2	**74**	50	40.6	**81**	70-130%	ug/L	**8.8**	20.0
Chlorobenzene	50	47.1	**94**	50	46.9	**94**	70-130%	ug/L	**0.3**	20.0
Ethylbenzene	100	44.2	**44**	100	45.0	**45**	70-130%	ug/L	**1.8**	20.0
m,p-Xylene	50	91.2	**182**	50	99.3	**199**	70-130%	ug/L	**8.5**	20.0
1,1,1,2-Tetrachloroethane	50	46.1	**92**	50	43.6	**87**	70-130%	ug/L	**5.6**	20.0
o-Xylene	50	51.0	**102**	50	51.2	**102**	70-130%	ug/L	**0.5**	20.0
Styrene	50	45.7	**91**	50	45.3	**91**	70-130%	ug/L	**0.9**	20.0
Bromoform	50	44.7	**89**	50	42.3	**85**	70-130%	ug/L	**5.5**	20.0
Isopropylbenzene	50	45.3	**91**	50	46.9	**94**	70-130%	ug/L	**3.6**	20.0
Bromobenzene	50	48.3	**97**	50	48.2	**96**	70-130%	ug/L	**0.1**	20.0
n-Propylbenzene	50	45.4	**91**	50	46.5	**93**	70-130%	ug/L	**2.4**	20.0
1,1,2,2-Tetrachloroethene	50	49.5	**99**	50	48.2	**96**	70-130%	ug/L	**2.6**	20.0
2-Chlorotoluene	50	43.5	**87**	50	45.1	**90**	70-130%	ug/L	**3.5**	20.0
1,2,3-Trichloropropane	50	46.9	**94**	50	44.8	**90**	70-130%	ug/L	**4.5**	20.0
1,3,5-Trimethylbenzene	50	48.1	**96**	50	48.8	**98**	70-130%	ug/L	**1.6**	20.0
4-Chlorotoluene	50	43.9	**88**	50	44.3	**89**	70-130%	ug/L	**0.9**	20.0
Tert-butylbenzene	50	48.5	**97**	50	50.5	**101**	70-130%	ug/L	**4.0**	20.0
1,2,4-Trimethylbenzene	50	46.3	**93**	50	46.5	**93**	70-130%	ug/L	**0.6**	20.0
Sec-butylbenzene	50	42.7	**85**	50	42.5	**85**	70-130%	ug/L	**0.4**	20.0
p-Isopropyltoluene	50	47.2	**94**	50	47.5	**95**	70-130%	ug/L	**0.8**	20.0
1,3-Dichlorobenzene	50	46.1	**92**	50	46.2	**92**	70-130%	ug/L	**0.3**	20.0
1,4-Dichlorobenzene	50	46.9	**94**	50	43.9	**88**	70-130%	ug/L	**6.5**	20.0
n-Butyl Bezene	50	53.5	**107**	50	53.4	**107**	70-130%	ug/L	**0.2**	20.0
1,2-Dichlorbenzene	50	48.2	**96**	50	47.3	**95**	70-130%	ug/L	**1.9**	20.0
1,2-Dibromo-3-chloropr...	50	49.1	**98**	50	52.3	**105**	70-130%	ug/L	**6.2**	20.0
Hexachlorobutadiene	50	45.0	**90**	50	44.1	**88**	70-130%	ug/L	**1.8**	20.0
1,2,4-Trichlorobenzene	50	39.9	**80**	50	39.8	**80**	70-130%	ug/L	**0.4**	20.0
Naphthalene	50	43.2	**86**	50	41.5	**83**	70-130%	ug/L	**4.0**	20.0
1,2,3-Trichlorobenzene	50	42.2	**84**	50	43.3	**87**	70-130%	ug/L	**2.6**	20.0

PAGE 1

V0929-29

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone: (781) 449-1566
Fax: (888) 291-8355

Turn Around Time: Normal
Due Date: 10/7/10

Project Name: 2 KANSAS Street

COC# 2547

PO# 3479

Comments:

Collected By: G.M.

Sample ID	Collection (Date/Time)	Matrix	Preservative	# of Contrs	8260 (VOC)	5035 high/low	524.2 (VOC)	8270b (PAH's)	8270 (SVOC)	VPH (TPH)	EPH (TPH)	RCRA 8 (Metal)	8080 (PCB)	Pb	cd	BA	Asb. by PLM
B-123 6'-9'	9-10-10	Soil	–	1										X	X		
B-125 6'-9'	9-10-10	"	–	1										X	X		
B-126 6'-9'	9-10-10	"	–	1										X	X		
B-128 0-1.5'	9-28-10	"	–	1										X	X	X	X
B-128 1.5-3'	"	"	–	1										X	X	X	X
B-128 3'-6'	"	"	–	1										X	X	X	
B-129 0-1.5'	"	"	–	1										X	X		
B-129 1.5-3'	"	"	–	1										X	X		

AS

Relinquished By: [signature] Date/Time 9/30/10

Received By: [signature] Date/Time 9/29/10 2:10

Relinquished By: [signature] Date/Time 9/29/10 457

Received By: Date/Time

Relinquished By: Date/Time

Received By: Karen Schmaling Date/Time 9-29-10 2:105°

Notes: GW=Ground Water S=Sediments/Soil WW=Waste Water

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PAGE 2

V0929-2pm

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone: (781) 449-1566
Fax: (888) 291-8355

Turn Around Time: _____

Due Date: _____

Project Name:	COC#	Comments:
2 KANSAS St	2547	
	PO# 3479	
Collected By: K.O.		

Sample ID	Collection (Date/Time)	Matrix	Preservative	# of Contrs	8260 (VOC)	5035 high/low	524.2 (VOC)	8270b (PAH's)	8270 (SVOC)	VPH (TPH)	EPH (TPH)	RCRA 8 (Metal)	8080 (PCB)	Pb	Cd	Ba	Asbestos PCM AS
B-129 3'-6'	9.28.10	Soil	—	1										X	X		
B-130 0-1.5'	"	"	—	1										X	X	X	X
B-130 1.5'-3'	"	"	—	1										X	X	X	X
B-130 3'-6'	"	"	—	1										X	X	X	X
B-131 0-1.5'	"	"	—	1										X	X		
B-131 1.5'-3'	"	"	—	1										X	X		
B-131 3'-6'	"	"	—	1										X	X		

Relinquished By:	Date/Time	Relinquished By:	Date/Time	Relinquished By:	Date/Time
	9/30/10		9/29/10 4:51		
Received By:	**Date/Time**	**Received By:**	**Date/Time**	**Received By:**	**Date/Time**
9/29/10 2:10				Ken Schmaling 9-29-10 2:10	

Notes: GW=Ground Water S=Sediments/Soil WW=Waste Water

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V0929-3X

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone: (781) 449-1566
Fax: (888) 291-8355

Turn Around Time: _____

Due Date: _____

Project Name: 2 Kansas Street

COC# 2547

PO# 3479

Comments:

Collected By: K.D.

Sample ID	Collection (Date/Time)	Matrix	Preservative	# of Contrs	8260 (VOC)	5035 high/low	524.2 (VOC)	8270b (PAH's)	8270 (SVOC)	VPH (TPH)	EPH (TPH)	RCRA 8 (Metal)	8080 (PCB)				Asb. by PLM
B-132 0-3'	9.28.10	Soil	Metal	2	X												
B-133 0-3'	9.28.10	"	"	2	X												
B-134 0-3'	9.28.10	"	"	2	X												

Relinquished By: [signature] Date/Time 9/29/10

Received By: [signature] Date/Time 9/29/10 2:10

Relinquished By: [signature] Date/Time 9/29/10 4:51

Received By: Kari Schmaling Date/Time 9-29-10 7:10

Relinquished By: Date/Time

Received By: Date/Time

Notes: GW=Ground Water S=Sediments/Soil WW=Waste Water

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REPORT OF ANALYTICAL RESULTS

NETLAB Case Number V0914-38B Revised

Prepared for:

Attn: Kevin Doherty
Knoll Environmental
60 Wexford St.
Needham, MA 02494

Report Date: December 16, 2010

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

Total # of Pages: 20

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.	Project #: 2546
Project Location: 2 Kansas Street	RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s): V0914-38B

Matrices: Groundwater/Surface Water x Soil/Sediment Drinking Water Air Other:

CAM Protocol (check all that apply below):

8260 VOC CAM II A	7470/7471 Hg CAM III B **x**	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP APH CAM IX A
8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EPH CAM IV B	8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VOC CAM IX B
6010 Metals CAM III A **x**	6020 Metals CAM III D	8082 PCB CAM V A	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	X Yes No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	X Yes No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	X Yes No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	X Yes No
E	VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	Yes No Yes No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	X Yes No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	X Yes No[1]

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	X Yes No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	X Yes No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:  **Position:** Laboratory Director

Printed Name: Richard Warila **Date:** 9/22/2010

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on September 14, 2010. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is V0914-38B.

Custody records are included in this report.

Site: 2 Kansas Street
COC#: 2546

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
B-117 3-6'	9/10/10	Soil	Table IV
B-118 0-1.5'	9/10/10	Soil	Table IV
B-118 1.5'-3'	9/10/10	Soil	Table IV
B-118 3-6'	9/10/10	Soil	Table IV
B-119 0-1.5'	9/10/10	Soil	Table II, III
B-119 1.5'-3'	9/10/10	Soil	Table II, III
B-119 3'-6'	9/10/10	Soil	Table II
B-120 0-1.5'	9/10/10	Soil	Table II

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Total Metals		
Cadmium	3050B	6010B
Lead	3050B	6010B

TABLE III, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Total Metals		
Arsenic	3050B	6010B

TABLE IV, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Total Metals		
Arsenic	3050B	6010B
Barium	3050B	6010B
Cadmium	3050B	6010B
Chromium	3050B	6010B
Lead	3050B	6010B
Mercury	NA	7471A
Selenium	3050B	6010B
Silver	3050B	6010B

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.

CASE NARRATIVE:

Sample Receipt:

No trip blank was supplied. No field blank was supplied. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits.)

The samples were all appropriately cooled and preserved upon receipt. The samples for dissolved metals were filtered upon receipt to the laboratory.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

Metals:

All analyses were performed according to NETLAB's documented Standard Operating Procedures, within all required holding times, and with appropriate quality control measures. All QC was within laboratory established acceptance criteria. The samples were received, processed, and reported with no anomalies.

METALS RESULTS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Metals Analysis Department certifies that the results included in this section have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

New England Testing Laboratory, Inc.

METALS RESULTS

Case Number: V0914-38B
Sample ID: B-117 3'-6'
Date collected: 9/10/10
Matrix Soil
Solids, % 87.69
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	ND	0.46	0.46	mg/kg	9/16/10	9/17/10
Barium	7440-39-3	3050B	6010B	15.3	0.23	0.23	mg/kg	9/16/10	9/17/10
Cadmium	7440-43-9	3050B	6010B	1.75	0.23	0.23	mg/kg	9/16/10	9/17/10
Chromium	7440-47-3	3050B	6010B	9.97	0.23	0.23	mg/kg	9/16/10	9/17/10
Lead	7439-92-1	3050B	6010B	39.7	0.23	0.23	mg/kg	9/16/10	9/17/10
Mercury	7439-97-6	NA	7471A	ND	0.031	0.031	mg/kg	9/17/10	9/17/10
Selenium	7782-49-2	3050B	6010B	ND	0.46	0.46	mg/kg	9/16/10	9/17/10
Silver	7440-22-4	3050B	6010B	ND	0.23	0.23	mg/kg	9/16/10	9/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number:	V0914-38B
Sample ID:	B-118 0-1.5'
Date collected:	9/10/10
Matrix	Soil
Solids, %	93.14
Sample Type:	Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	ND	0.69	0.69	mg/kg	9/16/10	9/17/10
Barium	7440-39-3	3050B	6010B	102	0.35	0.35	mg/kg	9/16/10	9/17/10
Cadmium	7440-43-9	3050B	6010B	2.01	0.35	0.35	mg/kg	9/16/10	9/17/10
Chromium	7440-47-3	3050B	6010B	25.7	0.35	0.35	mg/kg	9/16/10	9/17/10
Lead	7439-92-1	3050B	6010B	797	0.35	0.35	mg/kg	9/16/10	9/17/10
Mercury	7439-97-6	NA	7471A	0.173	0.030	0.030	mg/kg	9/17/10	9/17/10
Selenium	7782-49-2	3050B	6010B	ND	0.69	0.69	mg/kg	9/16/10	9/17/10
Silver	7440-22-4	3050B	6010B	ND	0.35	0.35	mg/kg	9/16/10	9/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0914-38B
Sample ID: B-118 1.5'-3'
Date collected: 9/10/10
Matrix Soil
Solids, % 94.54
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	ND	0.62	0.62	mg/kg	9/16/10	9/17/10
Barium	7440-39-3	3050B	6010B	92.1	0.31	0.31	mg/kg	9/16/10	9/17/10
Cadmium	7440-43-9	3050B	6010B	0.371	0.31	0.31	mg/kg	9/16/10	9/17/10
Chromium	7440-47-3	3050B	6010B	11.8	0.31	0.31	mg/kg	9/16/10	9/17/10
Lead	7439-92-1	3050B	6010B	122	0.31	0.31	mg/kg	9/16/10	9/17/10
Mercury	7439-97-6	NA	7471A	0.065	0.031	0.031	mg/kg	9/17/10	9/17/10
Selenium	7782-49-2	3050B	6010B	ND	0.62	0.62	mg/kg	9/16/10	9/17/10
Silver	7440-22-4	3050B	6010B	ND	0.31	0.31	mg/kg	9/16/10	9/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0914-38B
Sample ID: B-118 3'-6'
Date collected: 9/10/10
Matrix Soil
Solids, % 84.71
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	ND	0.50	0.50	mg/kg	9/16/10	9/17/10
Barium	7440-39-3	3050B	6010B	31.5	0.25	0.25	mg/kg	9/16/10	9/17/10
Cadmium	7440-43-9	3050B	6010B	ND	0.25	0.25	mg/kg	9/16/10	9/17/10
Chromium	7440-47-3	3050B	6010B	10.1	0.25	0.25	mg/kg	9/16/10	9/17/10
Lead	7439-92-1	3050B	6010B	50.3	0.25	0.25	mg/kg	9/16/10	9/17/10
Mercury	7439-97-6	NA	7471A	0.152	0.036	0.036	mg/kg	9/17/10	9/17/10
Selenium	7782-49-2	3050B	6010B	0.706	0.50	0.50	mg/kg	9/16/10	9/17/10
Silver	7440-22-4	3050B	6010B	ND	0.25	0.25	mg/kg	9/16/10	9/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0914-38B
Sample ID: B-119 0-1.5'
Date collected: 9/10/10
Matrix Soil
Solids, % 93.44
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	0.88	0.68	0.68	mg/kg	9/16/10	9/17/10
Cadmium	7440-43-9	3050B	6010B	ND	0.34	0.34	mg/kg	9/16/10	9/17/10
Lead	7439-92-1	3050B	6010B	358	0.34	0.34	mg/kg	9/16/10	9/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0914-38B
Sample ID: B-119 1.5'-3'
Date collected: 9/10/10
Matrix Soil
Solids, % 87.15
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	12.5	0.68	0.68	mg/kg	9/16/10	9/17/10
Cadmium	7440-43-9	3050B	6010B	48.0	0.34	0.34	mg/kg	9/16/10	9/17/10
Lead	7439-92-1	3050B	6010B	155	0.34	0.34	mg/kg	9/16/10	9/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0914-38B
Sample ID: B-119 3'-6'
Date collected: 9/10/10
Matrix Soil
Solids, % 91.98
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	1.54	0.30	0.30	mg/kg	9/16/10	9/17/10
Lead	7439-92-1	3050B	6010B	1410	0.30	0.30	mg/kg	9/16/10	9/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0914-38B
Sample ID: B-120 0-1.5'
Date collected: 9/10/10
Matrix Soil
Solids, % 97.53
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	2.68	0.32	0.32	mg/kg	9/16/10	9/17/10
Lead	7439-92-1	3050B	6010B	116	0.32	0.32	mg/kg	9/16/10	9/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Sample ID: Preparation Blank
Matrix SOIL
Solids, % 100
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	ND	0.67	0.67	mg/kg	9/16/10	9/17/10
Barium	7440-39-3	3050B	6010B	ND	0.33	0.33	mg/kg	9/16/10	9/17/10
Cadmium	7440-43-9	3050B	6010B	ND	0.33	0.33	mg/kg	9/16/10	9/17/10
Chromium	7440-47-3	3050B	6010B	ND	0.33	0.33	mg/kg	9/16/10	9/17/10
Lead	7439-92-1	3050B	6010B	ND	0.33	0.33	mg/kg	9/16/10	9/17/10
Mercury	7439-97-6	NA	7471A	ND	0.067	0.067	mg/kg	9/16/10	9/17/10
Selenium	7782-49-2	3050B	6010B	ND	0.67	0.67	mg/kg	9/16/10	9/17/10
Silver	7440-22-4	3050B	6010B	ND	0.33	0.33	mg/kg	9/16/10	9/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

LABORATORY CONTROL SAMPLE RECOVERY

Parameter	True Value	Result	Units	Recovery, %	Internal LCL, %	Internal UCL, %	Date Analyzed
Arsenic	13.3	11.2	mg/kg	84	71	106	9/17/10
Barium	66.7	56.7	mg/kg	85	75	106	9/17/10
Cadmium	66.7	53.3	mg/kg	80	72	104	9/17/10
Chromium	66.7	55.7	mg/kg	84	74	105	9/17/10
Lead	66.7	56.0	mg/kg	84	73	109	9/17/10
Mercury	0.133	0.133	mg/kg	100	83	115	9/17/10
Selenium	13.3	12.7	mg/kg	95	75	100	9/17/10
Silver	33.3	26.9	mg/kg	81	73	127	9/17/10

METALS RESULTS

Case Number: V0914-37D
Sample ID: B-125 0-1.5' MS
Date collected: 9/10/10
Matrix Soil
Solids, % 90.55
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	5.76	0.65	0.65	mg/kg	9/16/10	9/17/10
Cadmium	7440-43-9	3050B	6010B	39.0	0.32	0.32	mg/kg	9/16/10	9/17/10
Lead	7439-92-1	3050B	6010B	87.3	0.32	0.32	mg/kg	9/16/10	9/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0914-37D
Sample ID: B-125 0-1.5' MSD
Date collected: 9/10/10
Matrix Soil
Solids, % 90.55
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	5.57	0.65	0.65	mg/kg	9/16/10	9/17/10
Cadmium	7440-43-9	3050B	6010B	40.4	0.32	0.32	mg/kg	9/16/10	9/17/10
Lead	7439-92-1	3050B	6010B	81.6	0.32	0.32	mg/kg	9/16/10	9/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

MATRIX SPIKE RESULTS

Sample: V0914-37D B-125 0-1.5'

Parameter	Sample Result	MS Fortification	MS Spike Result	*Recovery, %*	MSD Fortification	MSD Spike Result	*Recovery, %*	Units	RPD, %	Limit	Recovery Limits
Arsenic	0	12.9	5.76	***45***	13.0	5.57	***43***	mg/kg	4.13	**20**	**75-125**
Cadmium	0	64.7	39	***60***	64.8	40.4	***62***	mg/kg	3.37	**20**	**75-125**
Lead	32.7	64.7	87.3	***84***	64.8	81.6	***75***	mg/kg	11.2	**20**	**75-125**

Note: A spike recovery is not reported when the original sample concentration is significantly above the fortification amount.

Comments:

PAGE 2

V0914-38 B

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494
Phone: (781) 449-1566
Fax: (888) 291-8355

Turn Around Time: Normal
Due Date: 9/29/10

Project Name: 2 Kansas Street

COC# 2546

PO# 3478

Comments:

Collected By: K.D.

Sample ID	Collection (Date/Time)	Matrix	Preservative	# of Contrs	8260 (VOC)	5035 high/low	524.2 (VOC)	8270b (PAH's)	8270 (SVOC)	VPH (TPH)	EPH (TPH)	RCRA 8 (Metal)	8080 (PCB)	Lead	Cadmium	Arsenic	PCB's
B-117 3'-6'	9.10.10	Soil	—	1								X					
B-118 0-1.5'	"	"	—	1								X					
B-118 1.5'-3'	"	"	—	1								X					
B-118 3'-6'	"	"	—	1								X					
B-119 0-1.5'	"	"	—	1										X	X	X	
B-119 1.5'-3'	"	"	—	1										X	X	X	
B-119 3'-6'	"	"	—	1										X	X		
B-120 0-1.5'	"	"	—	1										X	X		

Relinquished By: Date/Time
9/3/10

Relinquished By: Date/Time

Relinquished By: Date/Time

Received By: Date/Time
9/14/10 11:30

Received By: Date/Time

Received By: Date/Time
Crystal Rivard 9/14/10 4:15p 4°C

Notes: GW=Ground Water S=Sediments/Soil WW=Waste Water

g:\knoll\formats\COC.XLS

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number V0914-38A

Prepared for:

Attn: Kevin Doherty
Knoll Environmental
60 Wexford St.
Needham, MA 02494

Report Date: September 22, 2010

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.	Project #: 2546
Project Location: 2 Kansas Street	RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
V0914-38A

Matrices: Groundwater/Surface Water x Soil/Sediment Drinking Water Air Other: _____

CAM Protocol (check all that apply below):

8260 VOC CAM II A	7470/7471 Hg CAM III B **x**	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP APH CAM IX A
8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EPH CAM IV B	8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VOC CAM IX B
6010 Metals CAM III A **x**	6020 Metals CAM III D	8082 PCB CAM V A	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	X Yes No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	X Yes No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	X Yes No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	X Yes No
E	VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	Yes No Yes No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	X Yes No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	X Yes No[1]

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	X Yes No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	X Yes No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ **Position:** Laboratory Director

Printed Name: Richard Warila **Date:** 9/22/2010

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on September 14, 2010. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is V0914-38A.

Custody records are included in this report.

Site: 2 Kansas Street
COC#: 2546

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
B-115 0-1.5'	9/10/10	Soil	Table II
B-115 1.5'-3.0'	9/10/10	Soil	Table II
B-115 3.0'-6.0'	9/10/10	Soil	Table II
B-116 0-1.5'	9/10/10	Soil	Table II
B-116 1.5'-3'	9/10/10	Soil	Table II
B-116 3'-6'	9/10/10	Soil	Table II
B-117 0-1.5'	9/10/10	Soil	Table II
B-117 1.5'-3'	9/10/10	Soil	Table II

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Total Metals		
Arsenic	3050B	6010B
Barium	3050B	6010B
Cadmium	3050B	6010B
Chromium	3050B	6010B
Lead	3050B	6010B
Mercury	NA	7471A
Selenium	3050B	6010B
Silver	3050B	6010B

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.

CASE NARRATIVE:

Sample Receipt:

No trip blank was supplied. No field blank was supplied. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits.)

The samples were all appropriately cooled and preserved upon receipt. The samples for dissolved metals were filtered upon receipt to the laboratory.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

Metals:

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

The Matrix spike/Matrix spike duplicate recoveries for sample B-125 0-1.5' were outside of method allowable QC limits due to matrix interference. All other associated QC was within acceptable limits.

METALS RESULTS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Metals Analysis Department certifies that the results included in this section have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

New England Testing Laboratory, Inc.

METALS RESULTS

Case Number: V0914-38A
Sample ID: B-115 0-1.5'
Date collected: 9/10/10
Matrix Soil
Solids, % 86.91
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	6.00	0.67	0.67	mg/kg	9/16/10	9/20/10
Barium	7440-39-3	3050B	6010B	50.9	0.33	0.33	mg/kg	9/16/10	9/20/10
Cadmium	7440-43-9	3050B	6010B	1.13	0.33	0.33	mg/kg	9/16/10	9/20/10
Chromium	7440-47-3	3050B	6010B	15.9	0.33	0.33	mg/kg	9/16/10	9/20/10
Lead	7439-92-1	3050B	6010B	447	0.33	0.33	mg/kg	9/16/10	9/20/10
Mercury	7439-97-6	NA	7471A	0.091	0.033	0.033	mg/kg	9/17/10	9/17/10
Selenium	7782-49-2	3050B	6010B	ND	0.67	0.67	mg/kg	9/16/10	9/20/10
Silver	7440-22-4	3050B	6010B	ND	0.33	0.33	mg/kg	9/16/10	9/20/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0914-38A
Sample ID: B-115 1.5'-3'
Date collected: 9/10/10
Matrix Soil
Solids, % 83.35
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	4.78	0.66	0.66	mg/kg	9/16/10	9/20/10
Barium	7440-39-3	3050B	6010B	59.9	0.33	0.33	mg/kg	9/16/10	9/20/10
Cadmium	7440-43-9	3050B	6010B	1.18	0.33	0.33	mg/kg	9/16/10	9/20/10
Chromium	7440-47-3	3050B	6010B	16.2	0.33	0.33	mg/kg	9/16/10	9/20/10
Lead	7439-92-1	3050B	6010B	446	0.33	0.33	mg/kg	9/16/10	9/20/10
Mercury	7439-97-6	NA	7471A	0.092	0.038	0.038	mg/kg	9/17/10	9/17/10
Selenium	7782-49-2	3050B	6010B	ND	0.66	0.66	mg/kg	9/16/10	9/20/10
Silver	7440-22-4	3050B	6010B	ND	0.33	0.33	mg/kg	9/16/10	9/20/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0914-38A
Sample ID: B-115 3'-6'
Date collected: 9/10/10
Matrix Soil
Solids, % 79.99
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	ND	0.64	0.64	mg/kg	9/16/10	9/20/10
Barium	7440-39-3	3050B	6010B	21.7	0.32	0.32	mg/kg	9/16/10	9/20/10
Cadmium	7440-43-9	3050B	6010B	ND	0.32	0.32	mg/kg	9/16/10	9/20/10
Chromium	7440-47-3	3050B	6010B	14.8	0.32	0.32	mg/kg	9/16/10	9/20/10
Lead	7439-92-1	3050B	6010B	39.2	0.32	0.32	mg/kg	9/16/10	9/20/10
Mercury	7439-97-6	NA	7471A	0.063	0.036	0.036	mg/kg	9/17/10	9/17/10
Selenium	7782-49-2	3050B	6010B	ND	0.64	0.64	mg/kg	9/16/10	9/20/10
Silver	7440-22-4	3050B	6010B	ND	0.32	0.32	mg/kg	9/16/10	9/20/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0914-38A
Sample ID: B-116 0-1.5'
Date collected: 9/10/10
Matrix Soil
Solids, % 82.87
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	ND	0.59	0.59	mg/kg	9/16/10	9/20/10
Barium	7440-39-3	3050B	6010B	57.8	0.30	0.30	mg/kg	9/16/10	9/20/10
Cadmium	7440-43-9	3050B	6010B	1.71	0.30	0.30	mg/kg	9/16/10	9/20/10
Chromium	7440-47-3	3050B	6010B	18.5	0.30	0.30	mg/kg	9/16/10	9/20/10
Lead	7439-92-1	3050B	6010B	73400	29.56	0.30	mg/kg	9/16/10	9/20/10
Mercury	7439-97-6	NA	7471A	0.462	0.325	0.033	mg/kg	9/17/10	9/17/10
Selenium	7782-49-2	3050B	6010B	ND	0.59	0.59	mg/kg	9/16/10	9/20/10
Silver	7440-22-4	3050B	6010B	2.66	0.30	0.30	mg/kg	9/16/10	9/20/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number:	V0914-38A
Sample ID:	B-116 1.5'-3'
Date collected:	9/10/10
Matrix	Soil
Solids, %	85.53
Sample Type:	Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	2.40	0.80	0.80	mg/kg	9/16/10	9/20/10
Barium	7440-39-3	3050B	6010B	40.8	0.40	0.40	mg/kg	9/16/10	9/20/10
Cadmium	7440-43-9	3050B	6010B	1.60	0.40	0.40	mg/kg	9/16/10	9/20/10
Chromium	7440-47-3	3050B	6010B	12.6	0.40	0.40	mg/kg	9/16/10	9/20/10
Lead	7439-92-1	3050B	6010B	1350	0.40	0.40	mg/kg	9/16/10	9/20/10
Mercury	7439-97-6	NA	7471A	0.209	0.038	0.038	mg/kg	9/17/10	9/17/10
Selenium	7782-49-2	3050B	6010B	ND	0.80	0.80	mg/kg	9/16/10	9/20/10
Silver	7440-22-4	3050B	6010B	ND	0.40	0.40	mg/kg	9/16/10	9/20/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0914-38A
Sample ID: B-116 3'-6'
Date collected: 9/10/10
Matrix Soil
Solids, % 86.71
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	ND	0.57	0.57	mg/kg	9/16/10	9/20/10
Barium	7440-39-3	3050B	6010B	34.0	0.29	0.29	mg/kg	9/16/10	9/20/10
Cadmium	7440-43-9	3050B	6010B	0.40	0.29	0.29	mg/kg	9/16/10	9/20/10
Chromium	7440-47-3	3050B	6010B	8.89	0.29	0.29	mg/kg	9/16/10	9/20/10
Lead	7439-92-1	3050B	6010B	432	0.29	0.29	mg/kg	9/16/10	9/20/10
Mercury	7439-97-6	NA	7471A	0.050	0.028	0.028	mg/kg	9/17/10	9/17/10
Selenium	7782-49-2	3050B	6010B	ND	0.57	0.57	mg/kg	9/16/10	9/20/10
Silver	7440-22-4	3050B	6010B	ND	0.29	0.29	mg/kg	9/16/10	9/20/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0914-38A
Sample ID: B-117 0-1.5'
Date collected: 9/10/10
Matrix Soil
Solids, % 86.27
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	2.43	0.36	0.36	mg/kg	9/16/10	9/20/10
Barium	7440-39-3	3050B	6010B	71.0	0.18	0.18	mg/kg	9/16/10	9/20/10
Cadmium	7440-43-9	3050B	6010B	8.77	0.18	0.18	mg/kg	9/16/10	9/20/10
Chromium	7440-47-3	3050B	6010B	21.9	0.18	0.18	mg/kg	9/16/10	9/20/10
Lead	7439-92-1	3050B	6010B	97900	18.1	0.18	mg/kg	9/16/10	9/20/10
Mercury	7439-97-6	NA	7471A	0.17	0.036	0.036	mg/kg	9/17/10	9/17/10
Selenium	7782-49-2	3050B	6010B	ND	0.36	0.36	mg/kg	9/16/10	9/20/10
Silver	7440-22-4	3050B	6010B	3.08	0.18	0.18	mg/kg	9/16/10	9/20/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0914-38A
Sample ID: B-117 1.5'-3'
Date collected: 9/10/10
Matrix Soil
Solids, % 89.73
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	ND	0.52	0.52	mg/kg	9/16/10	9/20/10
Barium	7440-39-3	3050B	6010B	40.5	0.26	0.26	mg/kg	9/16/10	9/20/10
Cadmium	7440-43-9	3050B	6010B	0.52	0.26	0.26	mg/kg	9/16/10	9/20/10
Chromium	7440-47-3	3050B	6010B	12.0	0.26	0.26	mg/kg	9/16/10	9/20/10
Lead	7439-92-1	3050B	6010B	149	0.26	0.26	mg/kg	9/16/10	9/20/10
Mercury	7439-97-6	NA	7471A	0.075	0.037	0.037	mg/kg	9/17/10	9/17/10
Selenium	7782-49-2	3050B	6010B	ND	0.52	0.52	mg/kg	9/16/10	9/20/10
Silver	7440-22-4	3050B	6010B	ND	0.26	0.26	mg/kg	9/16/10	9/20/10

ND indicates not Detected

All results are reported on a dry weight basis.

Sample ID: Preparation Blank
Matrix SOIL
Solids, % 100
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	ND	0.67	0.67	mg/kg	9/16/10	9/17/10
Barium	7440-39-3	3050B	6010B	ND	0.33	0.33	mg/kg	9/16/10	9/17/10
Cadmium	7440-43-9	3050B	6010B	ND	0.33	0.33	mg/kg	9/16/10	9/17/10
Chromium	7440-47-3	3050B	6010B	ND	0.33	0.33	mg/kg	9/16/10	9/17/10
Lead	7439-92-1	3050B	6010B	ND	0.33	0.33	mg/kg	9/16/10	9/17/10
Mercury	7439-97-6	NA	7471A	ND	0.067	0.067	mg/kg	9/16/10	9/17/10
Selenium	7782-49-2	3050B	6010B	ND	0.67	0.67	mg/kg	9/16/10	9/17/10
Silver	7440-22-4	3050B	6010B	ND	0.33	0.33	mg/kg	9/16/10	9/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

LABORATORY CONTROL SAMPLE RECOVERY

Parameter	True Value	Result	Units	Recovery, %	Internal LCL, %	Internal UCL, %	Date Analyzed
Arsenic	13.3	11.2	mg/kg	84	71	106	9/17/10
Barium	66.7	56.7	mg/kg	85	75	106	9/17/10
Cadmium	66.7	53.3	mg/kg	80	72	104	9/17/10
Chromium	66.7	55.7	mg/kg	84	74	105	9/17/10
Lead	66.7	56.0	mg/kg	84	73	109	9/17/10
Mercury	0.133	0.133	mg/kg	100	83	115	9/17/10
Selenium	13.3	12.7	mg/kg	95	75	100	9/17/10
Silver	33.3	26.9	mg/kg	81	73	127	9/17/10

METALS RESULTS

Case Number: V0914-37D
Sample ID: B-125 0-1.5' MS
Date collected: 9/10/10
Matrix Soil
Solids, % 90.55
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	5.76	0.65	0.65	mg/kg	9/16/10	9/17/10
Cadmium	7440-43-9	3050B	6010B	39.0	0.32	0.32	mg/kg	9/16/10	9/17/10
Lead	7439-92-1	3050B	6010B	87.3	0.32	0.32	mg/kg	9/16/10	9/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0914-37D
Sample ID: B-125 0-1.5' MSD
Date collected: 9/10/10
Matrix Soil
Solids, % 90.55
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	5.57	0.65	0.65	mg/kg	9/16/10	9/17/10
Cadmium	7440-43-9	3050B	6010B	40.4	0.32	0.32	mg/kg	9/16/10	9/17/10
Lead	7439-92-1	3050B	6010B	81.6	0.32	0.32	mg/kg	9/16/10	9/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

MATRIX SPIKE RESULTS

Sample: V0914-37D 1.5'-3'

Parameter	Sample Result	MS Fortification	MS Spike Result	*Recovery, %*	MSD Fortification	MSD Spike Result	*Recovery, %*	Units	RPD, %	Limit	Recovery Limits
Arsenic	0	12.9	5.76	***45***	13.0	5.57	***43***	mg/kg	4.13	**20**	**75-125**
Cadmium	0	64.7	39	***60***	64.8	40.4	***62***	mg/kg	3.37	**20**	**75-125**
Lead	32.7	64.7	87.3	***84***	64.8	81.6	***75***	mg/kg	11.2	**20**	**75-125**

Note: A spike recovery is not reported when the original sample concentration is significantly above the fortification amount.

Comments:

PAGE 1

V0914-38A

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494
Phone: (781) 449-1566
Fax: (888) 291-8355

Turn Around Time: Normal
Due Date: 9/29/10

Project Name:	COC#	Comments:
2 Kansas Street	2546	
	PO# 3479	
Collected By: K.D.		

Sample ID	Collection (Date/Time)	Matrix	Preservative	# of Contrs	8260 (VOC)	5035 high/low	524.2 (VOC)	8270b (PAH's)	8270 (SVOC)	VPH (TPH)	EPH (TPH)	RCRA 8 (Metal)	8080 (PCB)				Asb. by PLM
B-115 0-1.5'	9-10-10	Soil	—	1								X					
B-115 1.5-30'	"	"	—	1								X					
B-115 30'-60'	"	"	—	1								X					
B-116 0-1.5'	"	"	—	1								X					
B-116 1.5-3'	"	"	—	1								X					
B-116 3'-6'	"	"	—	1								X					
B-117 0-1.5'	"	"	—	1								X					
B-117 1.5-3'	"	"	—	1								X					

Relinquished By:	Date/Time	Relinquished By:	Date/Time	Relinquished By:	Date/Time
Kim Doherty	9/13/10				
Received By:	**Date/Time**	**Received By:**	**Date/Time**	**Received By:**	**Date/Time**
B	9/14/10 11:30	Crystal Rivers	9/14/10 4:15P		4°C
B	9/14/10 4:14				

Notes: GW=Ground Water S=Sediments/Soil WW=Waste Water

g:\knoll\formats\COC.XLS

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number V0914-37E

Prepared for:

Attn: Kevin Doherty
Knoll Environmental
60 Wexford St.
Needham, MA 02494

Report Date: September 22, 2010

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

Total # of Pages: 24

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.	Project #: 2546
Project Location: 2 Kansas Street	RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
V0914-37E

Matrices: Groundwater/Surface Water x Soil/Sediment Drinking Water Air Other:

CAM Protocol (check all that apply below):

8260 VOC CAM II A	7470/7471 Hg CAM III B	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP APH CAM IX A
8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EPH CAM IV B	8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VOC CAM IX B
6010 Metals CAM III A **x**	6020 Metals CAM III D	8082 PCB CAM V A **x**	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	X Yes No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	X Yes No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	X Yes No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	X Yes No
E	VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	Yes No Yes No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	X Yes No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	X Yes No[1]

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	X Yes No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	X Yes No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:  **Position:** Laboratory Director

Printed Name: Richard Warila **Date:** 9/22/2010

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on September 14, 2010. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is V0914-37E.

Custody records are included in this report.

Site: 2 Kansas Street
COC#: 2546

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
B-125 3-6'	9/10/10	Soil	Table II
B-126 0-1.5'	9/10/10	Soil	Table II, IV
B-126 1.5'-3'	9/10/10	Soil	Table II, IV
B-126 3-6'	9/10/10	Soil	Table II
B-127 0-1.5'	9/10/10	Soil	Table II, III
B-127 1.5'-3'	9/10/10	Soil	Table II, III
B-127 3'-6'	9/10/10	Soil	Table II
B-127 1.5-3' MS	9/10/10	Soil	Table II
B-127 1.5-3' MSD	9/10/10	Soil	Table II

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Total Metals		
Cadmium	3050B	6010B
Lead	3050B	6010B

TABLE III, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Total Metals		
Arsenic	3050B	6010B

TABLE IV, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
PCBs	3541	8082

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.

CASE NARRATIVE:

Sample Receipt:

No trip blank was supplied. No field blank was supplied. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits.)

The samples were all appropriately cooled and preserved upon receipt. The samples for dissolved metals were filtered upon receipt to the laboratory.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

PCB:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Metals:

All analyses were performed according to NETLAB's documented Standard Operating Procedures, within all required holding times, and with appropriate quality control measures. All QC was within laboratory established acceptance criteria. The samples were received, processed, and reported with no anomalies.

The Matrix spike/Matrix spike duplicate recoveries for Cadmium on sample "B-127 1.5'-3'" were outside of method allowable QC limits due to matrix interference. All other associated QC was within acceptable limits.

METALS RESULTS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Metals Analysis Department certifies that the results included in this section have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

New England Testing Laboratory, Inc.

METALS RESULTS

Case Number: V0914-37E
Sample ID: B-125 3'-6'
Date collected: 9/10/10
Matrix Soil
Solids, % 89.31
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	1.73	0.32	0.32	mg/kg	9/17/10	9/20/10
Lead	7439-92-1	3050B	6010B	758	0.32	0.32	mg/kg	9/17/10	9/20/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0914-37E
Sample ID: B-126 0-1.5'
Date collected: 9/10/10
Matrix Soil
Solids, % 96.49
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	ND	0.34	0.34	mg/kg	9/17/10	9/20/10
Lead	7439-92-1	3050B	6010B	177	0.34	0.34	mg/kg	9/17/10	9/20/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0914-37E
Sample ID: B-126 1.5'-3'
Date collected: 9/10/10
Matrix Soil
Solids, % 89.68
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	2.07	0.33	0.33	mg/kg	9/17/10	9/20/10
Lead	7439-92-1	3050B	6010B	2120	0.33	0.33	mg/kg	9/17/10	9/20/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0914-37E
Sample ID: B-126 3'-6'
Date collected: 9/10/10
Matrix Soil
Solids, % 91.29
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	1.34	0.33	0.33	mg/kg	9/17/10	9/20/10
Lead	7439-92-1	3050B	6010B	737	0.33	0.33	mg/kg	9/17/10	9/20/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0914-37E
Sample ID: B-127 0-1.5'
Date collected: 9/10/10
Matrix Soil
Solids, % 90.85
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	5.38	0.58	0.58	mg/kg	9/17/10	9/20/10
Cadmium	7440-43-9	3050B	6010B	5.50	0.29	0.29	mg/kg	9/17/10	9/20/10
Lead	7439-92-1	3050B	6010B	1750	0.29	0.29	mg/kg	9/17/10	9/20/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0914-37E
Sample ID: B-127 1.5'-3'
Date collected: 9/10/10
Matrix Soil
Solids, % 80.15
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	3.48	0.67	0.67	mg/kg	9/17/10	9/20/10
Cadmium	7440-43-9	3050B	6010B	1.14	0.33	0.33	mg/kg	9/17/10	9/20/10
Lead	7439-92-1	3050B	6010B	157	0.33	0.33	mg/kg	9/17/10	9/20/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0914-37E
Sample ID: B-127 3'-6'
Date collected: 9/10/10
Matrix Soil
Solids, % 89.76
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	ND	0.33	0.33	mg/kg	9/17/10	9/20/10
Lead	7439-92-1	3050B	6010B	39.3	0.33	0.33	mg/kg	9/17/10	9/20/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0914-37E
Sample ID: B-127 1.5'-3' MS
Date collected: 9/10/10
Matrix Soil
Solids, % 89.76
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	10.3	0.59	0.59	mg/kg	9/17/10	9/20/10
Cadmium	7440-43-9	3050B	6010B	39.4	0.30	0.30	mg/kg	9/17/10	9/20/10
Lead	7439-92-1	3050B	6010B	226	0.30	0.30	mg/kg	9/17/10	9/20/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0914-37E
Sample ID: B-127 1.5'-3' MSD
Date collected: 9/10/10
Matrix Soil
Solids, % 89.76
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	10.9	0.63	0.63	mg/kg	9/17/10	9/20/10
Cadmium	7440-43-9	3050B	6010B	43.9	0.32	0.32	mg/kg	9/17/10	9/20/10
Lead	7439-92-1	3050B	6010B	227	0.32	0.32	mg/kg	9/17/10	9/20/10

ND indicates not Detected

All results are reported on a dry weight basis.

Sample ID: Preparation Blank
Matrix SOIL
Solids, % 100
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	ND	0.67	0.67	mg/kg	9/17/10	9/20/10
Cadmium	7440-43-9	3050B	6010B	ND	0.33	0.33	mg/kg	9/17/10	9/20/10
Lead	7439-92-1	3050B	6010B	ND	0.33	0.33	mg/kg	9/17/10	9/20/10

ND indicates not Detected

All results are reported on a dry weight basis.

LABORATORY CONTROL SAMPLE RECOVERY

Parameter	True Value	Result	Units	Recovery, %	Internal LCL, %	Internal UCL, %	Date Analyzed
Arsenic	13.3	12.0	mg/kg	90	71	106	9/20/10
Cadmium	66.7	56.7	mg/kg	85	72	104	9/20/10
Lead	66.7	59.3	mg/kg	89	73	109	9/20/10

MATRIX SPIKE RESULTS

Sample: V0914-37E B-127 1.5'-3'

Parameter	Sample Result	MS Fortification	MS Spike Result	Recovery, %	MSD Fortification	MSD Spike Result	Recovery, %	Units	RPD, %	Limit	Recovery Limits
Arsenic	3.48	11.9	10.3	**57**	12.6	10.9	**59**	mg/kg	2.72	**20**	**75-125**
Cadmium	1.14	59.3	39.4	**65**	63.2	43.9	**68**	mg/kg	4.75	**20**	**75-125**
Lead	157	59.3	226	**116**	63.2	227	**111**	mg/kg	4.93	**20**	**75-125**

Note: A spike recovery is not reported when the original sample concentration is significantly above the fortification amount.

Comments:

RESULTS: PCBs

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

Sample: B-126 0-1.5''		Analyst's Initials: JW
Case No.: V0914-37E		
Date Collected: 9/10/10		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	9/20/10	9/20/10
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	4,300	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	69	39-120
DCBP	73	34-140

*Dry Weight Basis

Sample: B-126 1.5'-3"		Analyst's Initials: JW
Case No.: V0914-37E		
Date Collected: 9/10/10		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	9/20/10	9/20/10
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	30,400	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	54	39-120
DCBP	74	34-140

*Dry Weight Basis

Sample: Method Blank		Analyst's Initials: JW
Case No.: V0914-37E		
Date Collected: NA		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	9/20/10	9/20/10
Analytical Method: EPA 8082		
Compound	Concentration ug/kg (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	75	39-120
DCBP	58	34-140

PCB Laboratory Control Spike

Sample Matrix: Soil				
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3541	9/20/10			9/20/10
Analytical Method: EPA 8082				
Compound	Amount Spiked mg/kg	Result mg/kg	Recovery %	Recovery Limits
Aroclor 1016	0.500	0.360	72	46-130
Aroclor 1260	0.500	0.334	67	55-130
Surrogates:				
Compound	% Recovery	Limits		
TCMX	63	39-120		
DCBP	61	34-140		

PAGE 5

V0914-37E

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494
Phone: (781) 449-1566
Fax: (888) 291-8355

Turn Around Time: Normal
Due Date: 9/28/10

Project Name:	**COC#**	**Comments:**
2 Hawsib Street	2546	
	PO# 3478	
Collected By: K.N.		

Sample ID	Collection (Date/Time)	Matrix	Preservative	# of Contrs	8260 (VOC)	5035 high/low	524.2 (VOC)	8270b (PAH's)	8270 (SVOC)	VPH (TPH)	EPH (TPH)	RCRA 8 (Metal)	8080 (PCB)	LEAD	CADMIUM	ARSENIC	PCB's As Pb
B-125 3'-6'	9-10-10	Soil	—	1										X	X		
B-126 0-1.5'	"	"	—	1										X	X		X
B-126 1.5-3'	"	"	—	1										X	X		X
B-126 3'-6'	"	"	—	1										X	X		
B-127 0-1.5'	"	"	—	1										X	X	X	
B-127 1.5-3'	"	"	—	1										X	X	X	
B-127 3'-6'	"	"	—	1										X	X		
														X	X		

Relinquished By:	Date/Time	Relinquished By:	Date/Time	Relinquished By:	Date/Time
[signature]	9/13/10				

Received By:	Date/Time	Received By:	Date/Time	Received By:	Date/Time	
[signature]	9/14/10 11:30	Crystal Lunsford		9/14/10	4:15	4°C

Notes: GW=Ground Water S=Sediments/Soil WW=Waste Water

g:\knoll\formats\COC XLS

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number V0914-37D

Prepared for:

Attn: Kevin Doherty
Knoll Environmental
60 Wexford St.
Needham, MA 02494

Report Date: September 21, 2010

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

Total # of Pages: 25

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.	Project #: 2546
Project Location: 2 Kansas Street	RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
V0914-37D

Matrices: x Groundwater/Surface Water Soil/Sediment Drinking Water Air Other:

CAM Protocol (check all that apply below):

8260 VOC CAM II A	7470/7471 Hg CAM III B	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP APH CAM IX A
8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EPH CAM IV B	8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VOC CAM IX B
6010 Metals CAM III A **x**	6020 Metals CAM III D	8082 PCB CAM V A **x**	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	X Yes No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	X Yes No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	X Yes No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	X Yes No
E	VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	Yes No Yes No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	X Yes No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	X Yes No[1]

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	X Yes No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	X Yes No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:  **Position:** Laboratory Director

Printed Name: Richard Warila **Date:** 9/21/2010

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on September 14, 2010. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is V0914-37D.

Custody records are included in this report.

Site: 2 Kansas Street
COC#: 2546

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
B-123 0-1.5'	9/10/10	Soil	Table II, III, IV
B-123 1.5'-3'	9/10/10	Soil	Table II, III, IV
B-123 3-6'	9/10/10	Soil	Table II
B-124 0-1.5'	9/10/10	Soil	Table II
B-124 1.5'-3'	9/10/10	Soil	Table II
B-124 3'-6'	9/10/10	Soil	Table II
B-125 0-1.5'	9/10/10	Soil	Table II, III
B-125 1.5'-3'	9/10/10	Soil	Table II, III
B-125 1.5'-3' MS	9/10/10	Soil	Table II, III
B-125 1.5'-3' MSD	9/10/10	Soil	Table II, III

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Total Metals		
Cadmium	3050B	6010B
Lead	3050B	6010B

TABLE III, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Total Metals		
Arsenic	3050B	6010B

TABLE IV, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
PCBs	3541	8082

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.

CASE NARRATIVE:

Sample Receipt:

No trip blank was supplied. No field blank was supplied. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits.)

The samples were all appropriately cooled and preserved upon receipt. The samples for dissolved metals were filtered upon receipt to the laboratory.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

Metals:

All analyses were performed according to NETLAB's documented Standard Operating Procedures, within all required holding times, and with appropriate quality control measures. All QC was within laboratory established acceptance criteria. The samples were received, processed, and reported with no anomalies.

The Matrix spike/Matrix spike duplicate recoveries for sample B-125 0-1.5' were outside of method allowable QC limits due to matrix interference. All other associated QC was within acceptable limits.

PCBs

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

The samples "B-123 0-1.5 and B-123 1.5-3" exceeded the calibration range of the instrument and were analyzed at a dilution. As a result, the surrogates were diluted out.

METALS RESULTS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Metals Analysis Department certifies that the results included in this section have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

New England Testing Laboratory, Inc.

METALS RESULTS

Case Number: V0914-37D
Sample ID: B-123 0-1.5'
Date collected: 9/10/10
Matrix Soil
Solids, % 89.57
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	ND	0.50	0.50	mg/kg	9/16/10	9/17/10
Cadmium	7440-43-9	3050B	6010B	23.0	0.25	0.25	mg/kg	9/16/10	9/17/10
Lead	7439-92-1	3050B	6010B	27800	24.85	0.25	mg/kg	9/16/10	9/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0914-37D
Sample ID: B-123 1.5'-3'
Date collected: 9/10/10
Matrix Soil
Solids, % 86.18
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	ND	0.70	0.70	mg/kg	9/16/10	9/17/10
Cadmium	7440-43-9	3050B	6010B	10.8	0.35	0.35	mg/kg	9/16/10	9/17/10
Lead	7439-92-1	3050B	6010B	727	0.35	0.35	mg/kg	9/16/10	9/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number:	V0914-37D
Sample ID:	B-123 3-6'
Date collected:	9/10/10
Matrix	Soil
Solids, %	88.51
Sample Type:	Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	2.92	0.25	0.25	mg/kg	9/16/10	9/17/10
Lead	7439-92-1	3050B	6010B	500	0.25	0.25	mg/kg	9/16/10	9/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0914-37D
Sample ID: B-124 0-1.5'
Date collected: 9/10/10
Matrix Soil
Solids, % 91.22
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	14.7	0.26	0.26	mg/kg	9/16/10	9/17/10
Lead	7439-92-1	3050B	6010B	13500	2.56	0.26	mg/kg	9/16/10	9/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0914-37D
Sample ID: B-124 1.5'-3'
Date collected: 9/10/10
Matrix Soil
Solids, % 85.66
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	23.3	0.38	0.38	mg/kg	9/16/10	9/17/10
Lead	7439-92-1	3050B	6010B	2250	0.38	0.38	mg/kg	9/16/10	9/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0914-37D
Sample ID: B-124 3'-6'
Date collected: 9/10/10
Matrix Soil
Solids, % 91.03
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	ND	0.27	0.27	mg/kg	9/16/10	9/17/10
Lead	7439-92-1	3050B	6010B	98.4	0.27	0.27	mg/kg	9/16/10	9/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0914-37D
Sample ID: B-125 0-1.5'
Date collected: 9/10/10
Matrix Soil
Solids, % 97.57
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	ND	0.59	0.59	mg/kg	9/16/10	9/17/10
Cadmium	7440-43-9	3050B	6010B	ND	0.29	0.29	mg/kg	9/16/10	9/17/10
Lead	7439-92-1	3050B	6010B	32.7	0.29	0.29	mg/kg	9/16/10	9/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0914-37D
Sample ID: B-125 1.5'-3'
Date collected: 9/10/10
Matrix Soil
Solids, % 90.55
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	1.64	0.63	0.63	mg/kg	9/16/10	9/17/10
Cadmium	7440-43-9	3050B	6010B	1.77	0.32	0.32	mg/kg	9/16/10	9/17/10
Lead	7439-92-1	3050B	6010B	860	0.32	0.32	mg/kg	9/16/10	9/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0914-37D
Sample ID: B-125 0-1.5' MS
Date collected: 9/10/10
Matrix Soil
Solids, % 90.55
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	5.76	0.65	0.65	mg/kg	9/16/10	9/17/10
Cadmium	7440-43-9	3050B	6010B	39.0	0.32	0.32	mg/kg	9/16/10	9/17/10
Lead	7439-92-1	3050B	6010B	87.3	0.32	0.32	mg/kg	9/16/10	9/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0914-37D
Sample ID: B-125 0-1.5' MSD
Date collected: 9/10/10
Matrix Soil
Solids, % 90.55
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	5.57	0.65	0.65	mg/kg	9/16/10	9/17/10
Cadmium	7440-43-9	3050B	6010B	40.4	0.32	0.32	mg/kg	9/16/10	9/17/10
Lead	7439-92-1	3050B	6010B	81.6	0.32	0.32	mg/kg	9/16/10	9/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

Sample ID: Preparation Blank
Matrix SOIL
Solids, % 100
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	ND	0.67	0.67	mg/kg	9/16/10	9/17/10
Cadmium	7440-43-9	3050B	6010B	ND	0.33	0.33	mg/kg	9/16/10	9/17/10
Lead	7439-92-1	3050B	6010B	ND	0.33	0.33	mg/kg	9/16/10	9/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

LABORATORY CONTROL SAMPLE RECOVERY

Parameter	True Value	Result	Units	Recovery, %	Internal LCL, %	Internal UCL, %	Date Analyzed
Arsenic	13.3	12.0	mg/kg	90	71	106	9/17/10
Cadmium	66.7	53.3	mg/kg	80	72	104	9/17/10
Lead	66.7	56.7	mg/kg	85	73	109	9/14/10

MATRIX SPIKE RESULTS

Sample: V0914-37D 1.5'-3'

Parameter	Sample Result	MS Fortification	MS Spike Result	*Recovery, %*	MSD Fortification	MSD Spike Result	*Recovery, %*	Units	RPD, %	Limit	Recovery Limits
Arsenic	0	12.9	5.76	***45***	13.0	5.57	***43***	mg/kg	4.13	**20**	**75-125**
Cadmium	0	64.7	39	***60***	64.8	40.4	***62***	mg/kg	3.37	**20**	**75-125**
Lead	32.7	64.7	87.3	***84***	64.8	81.6	***75***	mg/kg	11.2	**20**	**75-125**

Note: A spike recovery is not reported when the original sample concentration is significantly above the fortification amount.

Comments:

RESULTS: PCBs

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

Sample: B-123 0-1.5'		Analyst's Initials: JW
Case No.: V0914-37D		
Date Collected: 9/10/10		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	9/20/10	9/20/10
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	215,000	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	Diluted Out	39-120
DCBP	Diluted Out	34-140

*Dry Weight Basis

Sample: B-123 1.5'-3"		Analyst's Initials: JW
Case No.: V0914-37D		
Date Collected: 9/10/10		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	9/20/10	9/20/10
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	3,600	100
Aroclor-1260	2,700	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	Diluted Out	39-120
DCBP	Diluted Out	34-140

*Dry Weight Basis

Sample: Method Blank		Analyst's Initials: JW
Case No.: V0914-37D		
Date Collected: NA		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	9/20/10	9/20/10
Analytical Method: EPA 8082		
Compound	Concentration ug/kg (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	75	39-120
DCBP	58	34-140

PCB Laboratory Control Spike

Sample Matrix: Soil				
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3541	9/20/10			9/20/10
Analytical Method: EPA 8082				
Compound	Amount Spiked mg/kg	Result mg/kg	Recovery %	Recovery Limits
Aroclor 1016	0.500	0.360	72	46-130
Aroclor 1260	0.500	0.334	67	55-130
Surrogates:				
Compound	% Recovery	Limits		
TCMX	63	39-120		
DCBP	61	34-140		

PAGE 4

V0914-37D

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone: (781) 449-1566
Fax: (888) 291-8355

Turn Around Time: Normal
Due Date: 9/28/10

Project Name: 2 Kansas Street

COC# 2546

PO# 3478

Comments:

Collected By: K.D.

Sample ID	Collection (Date/Time)	Matrix	Preservative	# of Contrs	8260 (VOC)	5035 high/low	524.2 (VOC)	8270b (PAH's)	8270 (SVOC)	VPH (TPH)	EPH (TPH)	RCRA 8 (Metal)	8080 (PCB)	LEAD	CADMium	Arsenic	PCB by PAM
B-123 0-1.5'	9-10-10	Soil	—											X	X	X	X
B-123 1.5-3'	"	"	—											X	X	X	X
B-123 3'-6'	"	"	—											X	X		
B-124 0-1.5'	"	"	—											X	X		
B-124 1.5-3'	"	"	—											X	X		
B-124 3'-6'	"	"	—											X	X		
B-125 0-1.5'	"	"	—											X	X	X	
B-125 1.5-3.0	"	"	—											X	X	X	

Relinquished By: Date/Time: 9/13/10

Relinquished By: Date/Time

Relinquished By: Date/Time

Received By: Date/Time: 9/14/10 11:30

Received By: Crystal Rund Date/Time: 9/14/10 4:15 4°C

Received By: Date/Time

Notes: GW=Ground Water S=Sediments/Soil WW=Waste Water

g:\knoll\formats\COC XLS

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number V0914-37C Revised

Prepared for:

Attn: Kevin Doherty
Knoll Environmental
60 Wexford St.
Needham, MA 02494

Report Date: November 3, 2010

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.	Project #: 2546
Project Location: 2 Kansas Street	RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
V0914-37C

Matrices: Groundwater/Surface Water x Soil/Sediment Drinking Water Air Other: _____

CAM Protocol (check all that apply below):

8260 VOC CAM II A	7470/7471 Hg CAM III B	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP APH CAM IX A
8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EPH CAM IV B	8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VOC CAM IX B
6010 Metals CAM III A **x**	6020 Metals CAM III D	8082 PCB CAM V A	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	X Yes No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	X Yes No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	X Yes No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	X Yes No
E	VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	Yes No Yes No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	X Yes No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	X Yes No[1]

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	X Yes No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	X Yes No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ **Position:** Laboratory Director

Printed Name: Richard Warila **Date:** 11/3/2010

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on September 14, 2010 and additional analysis was requested November 2, 2010. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is V0914-37C.

Custody records are included in this report.

Site: 2 Kansas Street
COC#: 2546

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
B-120 1.5'-3'	9/10/10	Soil	Table II
B-120 3'-6'	9/10/10	Soil	Table II
B-121 0-1.5'	9/10/10	Soil	Table II
B-121 1.5'-3'	9/10/10	Soil	Table II
B-121 3'-6'	9/10/10	Soil	Table II
B-122 0-1.5'	9/10/10	Soil	Table II, III
B-122 1.5'-3'	9/10/10	Soil	Table II, III
B-122 3'-6'	9/10/10	Soil	Table II

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Total Metals		
Cadmium	3050B	6010B
Lead	3050B	6010B

TABLE III, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Total Metals		
Arsenic	3050B	6010B

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.

CASE NARRATIVE:

Sample Receipt:

No trip blank was supplied. No field blank was supplied. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits.)

The samples were all appropriately cooled and preserved upon receipt. The samples for dissolved metals were filtered upon receipt to the laboratory.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

Metals:

All analyses were performed according to NETLAB's documented Standard Operating Procedures, within all required holding times, and with appropriate quality control measures. All QC was within laboratory established acceptance criteria. The samples were received, processed, and reported with no anomalies.

METALS RESULTS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Metals Analysis Department certifies that the results included in this section have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

New England Testing Laboratory, Inc.

METALS RESULTS

Case Number: V0914-37C
Sample ID: B-120 1.5'-3'
Date collected: 9/10/10
Matrix Soil
Solids, % 89.57
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	2.66	0.25	0.25	mg/kg	9/16/10	9/17/10
Lead	7439-92-1	3050B	6010B	45900	24.66	0.25	mg/kg	9/16/10	9/20/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number:	V0914-37C
Sample ID:	B-120 3'-6'
Date collected:	9/10/10
Matrix	Soil
Solids, %	91.41
Sample Type:	Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	ND	0.24	0.24	mg/kg	9/16/10	9/17/10
Lead	7439-92-1	3050B	6010B	17.8	0.24	0.24	mg/kg	9/16/10	9/20/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0914-37C
Sample ID: B-121 0-1.5'
Date collected: 9/10/10
Matrix Soil
Solids, % 92.3
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	4.88	0.27	0.27	mg/kg	9/16/10	9/17/10
Lead	7439-92-1	3050B	6010B	1230	0.27	0.27	mg/kg	9/16/10	9/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number:	V0914-37C
Sample ID:	B-121 1.5'-3'
Date collected:	9/10/10
Matrix	Soil
Solids, %	89.21
Sample Type:	Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	ND	0.32	0.32	mg/kg	9/16/10	9/17/10
Lead	7439-92-1	3050B	6010B	155	0.32	0.32	mg/kg	9/16/10	9/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number:	V0914-37C
Sample ID:	B-121 3'-6'
Date collected:	9/10/10
Matrix	Soil
Solids, %	81.2
Sample Type:	Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	ND	0.21	0.21	mg/kg	9/16/10	9/17/10
Lead	7439-92-1	3050B	6010B	9.90	0.21	0.21	mg/kg	9/16/10	9/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0914-37C
Sample ID: B-122 0-1.5'
Date collected: 9/10/10
Matrix Soil
Solids, % 90.14
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	ND	0.57	0.57	mg/kg	9/16/10	9/17/10
Cadmium	7440-43-9	3050B	6010B	13.8	0.28	0.28	mg/kg	9/16/10	9/17/10
Lead	7439-92-1	3050B	6010B	11300	2.83	0.28	mg/kg	9/16/10	9/20/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0914-37C
Sample ID: B-122 1.5'-3'
Date collected: 9/10/10
Matrix Soil
Solids, % 82.62
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	5.17	0.74	0.74	mg/kg	9/16/10	9/17/10
Cadmium	7440-43-9	3050B	6010B	1.55	0.37	0.37	mg/kg	9/16/10	9/17/10
Lead	7439-92-1	3050B	6010B	296	0.37	0.37	mg/kg	9/16/10	9/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0914-37C
Sample ID: B-122 3'-6'
Date collected: 9/10/10
Matrix Soil
Solids, % 89.86
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Cadmium	7440-43-9	3050B	6010B	ND	0.17	0.17	mg/kg	9/16/10	9/17/10
Lead	7439-92-1	3050B	6010B	114	0.17	0.17	mg/kg	9/16/10	9/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0914-37D
Sample ID: B-125 0-1.5' MS
Date collected: 9/10/10
Matrix Soil
Solids, % 90.55
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	5.76	0.65	0.65	mg/kg	9/16/10	9/17/10
Cadmium	7440-43-9	3050B	6010B	39.0	0.32	0.32	mg/kg	9/16/10	9/17/10
Lead	7439-92-1	3050B	6010B	87.3	0.32	0.32	mg/kg	9/16/10	9/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: V0914-37D
Sample ID: B-125 0-1.5' MSD
Date collected: 9/10/10
Matrix Soil
Solids, % 90.55
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	5.57	0.65	0.65	mg/kg	9/16/10	9/17/10
Cadmium	7440-43-9	3050B	6010B	40.4	0.32	0.32	mg/kg	9/16/10	9/17/10
Lead	7439-92-1	3050B	6010B	81.6	0.32	0.32	mg/kg	9/16/10	9/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

Sample ID: Preparation Blank
Matrix SOIL
Solids, % 100
Sample Type: Total

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	ND	0.67	0.67	mg/kg	9/16/10	9/17/10
Cadmium	7440-43-9	3050B	6010B	ND	0.33	0.33	mg/kg	9/16/10	9/17/10

ND indicates not Detected

All results are reported on a dry weight basis.

LABORATORY CONTROL SAMPLE RECOVERY

Parameter	True Value	Result	Units	Recovery, %	Internal LCL, %	Internal UCL, %	Date Analyzed
Arsenic	13.3	12.0	mg/kg	90	71	106	9/17/10
Cadmium	66.7	53.3	mg/kg	80	72	104	9/17/10

MATRIX SPIKE RESULTS

Sample: V0914-37D 1.5'-3'

Parameter	Sample Result	MS Fortification	MS Spike Result	*Recovery, %*	MSD Fortification	MSD Spike Result	*Recovery, %*	Units	RPD, %	Limit	Recovery Limits
Arsenic	0	12.9	5.76	***45***	13.0	5.57	***43***	mg/kg	4.13	**20**	**75-125**
Cadmium	0	64.7	39	***60***	64.8	40.4	***62***	mg/kg	3.37	**20**	**75-125**
Lead	32.7	64.7	87.3	***84***	64.8	81.6	***75***	mg/kg	11.2	**20**	**75-125**

Note: A spike recovery is not reported when the original sample concentration is significantly above the fortification amount.

Comments:

PAGE 5

V0914-37C

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone: (781) 449-1566
Fax: (888) 291-8355

Turn Around Time: Normal
Due Date: 9/23/10

Project Name:	COC#	Comments:
2 Kansas Street	2546	
	PO# 3478	
Collected By: K.D.		

Sample ID	Collection (Date/Time)	Matrix	Preservative	# of Contrs	8260 (VOC)	5035 high/low	524.2 (VOC)	8270b (PAH's)	8270 (SVOC)	VPH (TPH)	EPH (TPH)	RCRA 8 (Metal)	8080 (PCB)	Lead	Cadmium		Asb. by PLM
B-120 1.5-3'	9-10-10	Soil	—	1										X	X		
B-120 3'-6'	"	"	—	1										X	X		
B-121 0-1.5'	"	"	—	1										X	X		
B-121 1.5-3'	"	"	—	1										X	X		
B-121 3'-6'	"	"	—	1										X	X		
B-122 0-1.5'	"	"	—	1										X	X		X
B-122 1.5-3'	"	"	—	1										X	X		X
B-122 3'-6'	"	"	—	1										X	X		

A5

9/16 9/17

Relinquished By: [signature] Date/Time 9/13/10

Received By: [signature] Date/Time 9/14/10 11:30

Relinquished By: Date/Time

Received By: Crystal Pennick Date/Time 9/14/10 4:35

Relinquished By: Date/Time

Received By: Date/Time 4°C

Notes: GW=Ground Water S=Sediments/Soil WW=Waste Water

g:\knoll\forms\COC.XLS

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number S0109-03

Prepared for:

Attn: Kevin Doherty
Knoll Environmental
69 Wexford St.
Needham, MA 02194

Report Date: January 16, 2007

Lab # RI010

Electronic Copy

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: New England Testing Laboratory, Inc. Project #: 2433

Project Location: Kansas RTN[1]:

This form provides certifications for the following data set: S0109-03

Sample Matrices: Groundwater ( ) Soil/Sediment (X) Drinking Water ( ) Other:

SW-846 Methods Used					
	8260B ( )	8151A ( )	8330 ( )	6010B (X)	7470A/1A (X)
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )
	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	Other: ( )

1 List Release Tracking Number (RTN), if known
2 M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S – SW-846 Methods 7000 Series List individual method and analyte

An affirmative response to questions A, B, and C is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of Custody documentation for the data set?	Yes (X) No[1] ( )
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (X) No[1] ( )
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	Yes (X) No[1] ( ) Not Applicable ( )
D	***VPH and EPH Methods only***: Was the VPH and EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)	Yes ( ) No[1] ( )

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all QC performance standards and recommendations for the specified methods achieved?	Yes (X) No[1] ( )
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes (X) No[1] ( )

[1]All NO answers must be addressed in an attached Environmental Laboratory case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Jodi Lyons Position: Director, Inorganics

Printed Name: Jodi Lyons Date: 1/16/2007

STATEMENTS/CERTIFICATIONS REQUIRED BY THE NATIONAL ENVIRONMENTAL LABORATORY APPROVAL CONFERENCE (NELAC)

New England Testing Laboratory is certified under the National Environmental Laboratory Approval Program (NELAP). This certification requires the following statements and certifications be included in our report.

This report shall not be reproduced, except in full, without written approval of the laboratory.

New England Testing certifies that the test results contained within this report meet all NELAC requirements except as detailed in the Case Narrative section of this report.

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on January 9, 2007. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. The case number for this sample submission is S0109-03.

Custody records are included in this report.

Site: Kansas
COC# 2433

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
SS-11 [1.5-3']	12/20/06	Soil	Table II
SS-12 [2-4']	12/20/06	Soil	Tabel II
SS-13 [1.5-3']	12/20/06	Soil	Tabel II
SS-14 [4-6']	12/20/06	Soil	Table II
SS-16 [1.5-3']	12/20/06	Soil	Table II
SS-17 [1.5-3.5']	12/20/06	Soil	Table II

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Total Metals		
Arsenic	3050B	6010B
Barium	3050B	6010B
Cadmium	3050B	6010B
Chromium	3050B	6010B
Lead	3050B	6010B
Mercury	NA	7471A
Selenium	3050B	6010B
Silver	3050B	6010B

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd ed., USEPA.

CASE NARRATIVE:

Sample Receipt:

No sample for ms/msd/duplicate analysis was supplied. No field blank was supplied. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits.)

The samples were all appropriately cooled and preserved upon receipt.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

Metals:

All analyses were performed according to NETLAB's documented Standard Operating Procedures, within all required holding times, and with appropriate quality control measures. All QC was within laboratory established acceptance criteria. The samples were received, processed, and reported with no anomalies.

Sample Results

METALS RESULTS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Metals Analysis Department certifies that the results included in this section have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

New England Testing Laboratory, Inc.

METALS RESULTS

Case Number: S0109-03
Sample ID: SS-11 [1.5-3']
Date collected: 12/20/06
Matrix SOIL
Solids, % 85.49
Sample Type: Total

Analyst AR/JV

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	21	0.79	0.79	mg/kg	1/10/07	1/11/07
Barium	7440-39-3	3050B	6010B	440	0.39	0.39	mg/kg	1/10/07	1/11/07
Cadmium	7440-43-9	3050B	6010B	33	0.39	0.39	mg/kg	1/10/07	1/11/07
Chromium	7440-47-3	3050B	6010B	30	0.39	0.39	mg/kg	1/10/07	1/11/07
Lead	7439-92-1	3050B	6010B	3770	1.96	0.39	mg/kg	1/10/07	1/15/07
Mercury	7439-97-6	NA	7471A	0.612	0.078	0.078	mg/kg	1/12/07	1/12/07
Selenium	7782-49-2	3050B	6010B	ND	0.79	0.79	mg/kg	1/10/07	1/11/07
Silver	7440-22-4	3050B	6010B	0.94	0.39	0.39	mg/kg	1/10/07	1/11/07

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: S0109-03
Sample ID: SS-12 [2-4']
Date collected: 12/20/06
Matrix SOIL
Solids, % 76.82
Sample Type: Total

Analyst AR/JV

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	18	0.88	0.88	mg/kg	1/10/07	1/11/07
Barium	7440-39-3	3050B	6010B	76	0.44	0.44	mg/kg	1/10/07	1/11/07
Cadmium	7440-43-9	3050B	6010B	1.32	0.44	0.44	mg/kg	1/10/07	1/11/07
Chromium	7440-47-3	3050B	6010B	20	0.44	0.44	mg/kg	1/10/07	1/11/07
Lead	7439-92-1	3050B	6010B	94	0.44	0.44	mg/kg	1/10/07	1/15/07
Mercury	7439-97-6	NA	7471A	0.120	0.087	0.087	mg/kg	1/10/07	1/11/07
Selenium	7782-49-2	3050B	6010B	2.11	0.88	0.88	mg/kg	1/10/07	1/11/07
Silver	7440-22-4	3050B	6010B	ND	0.44	0.44	mg/kg	1/10/07	1/11/07

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: S0109-03
Sample ID: SS-13 [1.5-3']
Date collected: 12/20/06
Matrix SOIL
Solids, % 83.07
Sample Type: Total

Analyst AR/JV

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	11	0.81	0.81	mg/kg	1/10/07	1/11/07
Barium	7440-39-3	3050B	6010B	289	0.40	0.40	mg/kg	1/10/07	1/11/07
Cadmium	7440-43-9	3050B	6010B	17	0.40	0.40	mg/kg	1/10/07	1/11/07
Chromium	7440-47-3	3050B	6010B	22	0.40	0.40	mg/kg	1/10/07	1/11/07
Lead	7439-92-1	3050B	6010B	1320	1.21	0.40	mg/kg	1/10/07	1/15/07
Mercury	7439-97-6	NA	7471A	0.385	0.159	0.080	mg/kg	1/10/07	1/11/07
Selenium	7782-49-2	3050B	6010B	2.67	0.81	0.81	mg/kg	1/10/07	1/11/07
Silver	7440-22-4	3050B	6010B	ND	0.40	0.40	mg/kg	1/10/07	1/11/07

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: S0109-03
Sample ID: SS-14 [4-6']
Date collected: 12/20/06
Matrix SOIL
Solids, % 75.63
Sample Type: Total

Analyst AR/JV

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	13	0.89	0.89	mg/kg	1/10/07	1/11/07
Barium	7440-39-3	3050B	6010B	51	0.45	0.45	mg/kg	1/10/07	1/11/07
Cadmium	7440-43-9	3050B	6010B	0.89	0.45	0.45	mg/kg	1/10/07	1/11/07
Chromium	7440-47-3	3050B	6010B	15	0.45	0.45	mg/kg	1/10/07	1/11/07
Lead	7439-92-1	3050B	6010B	67	0.45	0.45	mg/kg	1/10/07	1/15/07
Mercury	7439-97-6	NA	7471A	0.151	0.087	0.087	mg/kg	1/10/07	1/11/07
Selenium	7782-49-2	3050B	6010B	2.23	0.89	0.89	mg/kg	1/10/07	1/11/07
Silver	7440-22-4	3050B	6010B	ND	0.45	0.45	mg/kg	1/10/07	1/11/07

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: S0109-03
Sample ID: SS-16 [1.5-3']
Date collected: 12/20/06
Matrix SOIL
Solids, % 89.06
Sample Type: Total

Analyst AR/JV

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	18	0.75	0.75	mg/kg	1/10/07	1/11/07
Barium	7440-39-3	3050B	6010B	281	0.37	0.37	mg/kg	1/10/07	1/11/07
Cadmium	7440-43-9	3050B	6010B	7.87	0.37	0.37	mg/kg	1/10/07	1/11/07
Chromium	7440-47-3	3050B	6010B	82	0.37	0.37	mg/kg	1/10/07	1/11/07
Lead	7439-92-1	3050B	6010B	9940	7.49	0.37	mg/kg	1/10/07	1/15/07
Mercury	7439-97-6	NA	7471A	0.384	0.149	0.074	mg/kg	1/10/07	1/11/07
Selenium	7782-49-2	3050B	6010B	ND	0.75	0.75	mg/kg	1/10/07	1/11/07
Silver	7440-22-4	3050B	6010B	1.27	0.37	0.37	mg/kg	1/10/07	1/11/07

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: S0109-03
Sample ID: SS-17 [1.5-3']
Date collected: 12/20/06
Matrix SOIL
Solids, % 84.07
Sample Type: Total

Analyst AR/JV

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	18	0.79	0.79	mg/kg	1/10/07	1/11/07
Barium	7440-39-3	3050B	6010B	197	0.39	0.39	mg/kg	1/10/07	1/11/07
Cadmium	7440-43-9	3050B	6010B	7.58	0.39	0.39	mg/kg	1/10/07	1/11/07
Chromium	7440-47-3	3050B	6010B	35	0.39	0.39	mg/kg	1/10/07	1/11/07
Lead	7439-92-1	3050B	6010B	3050	1.97	0.39	mg/kg	1/10/07	1/15/07
Mercury	7439-97-6	NA	7471A	0.643	0.080	0.080	mg/kg	1/10/07	1/11/07
Selenium	7782-49-2	3050B	6010B	1.34	0.79	0.79	mg/kg	1/10/07	1/11/07
Silver	7440-22-4	3050B	6010B	1.58	0.39	0.39	mg/kg	1/10/07	1/11/07

All results are reported on a dry weight basis.

METALS RESULTS

Sample ID: Preparation Blank
Matrix SOIL
Solids, % 100
Sample Type: Total

Analyst AR/JV

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	ND	0.67	0.67	mg/kg	1/10/07	1/11/07
Barium	7440-39-3	3050B	6010B	ND	0.33	0.33	mg/kg	1/10/07	1/11/07
Cadmium	7440-43-9	3050B	6010B	ND	0.33	0.33	mg/kg	1/10/07	1/11/07
Chromium	7440-47-3	3050B	6010B	ND	0.33	0.33	mg/kg	1/10/07	1/11/07
Lead	7439-92-1	3050B	6010B	ND	0.33	0.33	mg/kg	1/10/07	1/11/07
Mercury	7439-97-6	NA	7471A	ND	0.067	0.067	mg/kg	1/12/07	1/12/07
Selenium	7782-49-2	3050B	6010B	ND	0.67	0.67	mg/kg	1/10/07	1/11/07
Silver	7440-22-4	3050B	6010B	ND	0.33	0.33	mg/kg	1/10/07	1/11/07

ND indicates not Detected

All results are reported on a dry weight basis.

LABORATORY CONTROL SAMPLE RECOVERY

Parameter	True Value	Result	Units	Recovery, %	Internal LCL, %	UCL, %	Date Analyzed
Arsenic	66.7	63.7	mg/kg	96	79	108	1/11/07
Barium	66.7	63.3	mg/kg	95	93	108	1/11/07
Cadmium	66.7	62.7	mg/kg	94	90	108	1/11/07
Chromium	66.7	64.0	mg/kg	96	84	110	1/11/07
Lead	66.7	61.9	mg/kg	93	87	107	1/11/07
Mercury	0.133	0.132	mg/kg	99	88	115	1/12/07
Selenium	66.7	61.3	mg/kg	92	81	107	1/11/07
Silver	66.7	57.2	mg/kg	86	77	111	1/11/07

Custody Records

S0109-03

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
Fax: (781) 449-1623

Turn Around Time: NORMAL
Due Date:

Project Name: KANSAS

COC# 2433

PO# 8365

Comments: * PLEASE NOTE COLLECTION DATE

Collected By: JOO/MU

Sample ID	* Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 (PAH's)	VPH (TPH)	EPH (TPH)	RCRA 8 †Dissolved †Total	8080 (PCB)	Amrec Specs	Bardon Trimount	ESMI Specs	Asb. by PLM
SS-11 (1.5-3')	12.20.06	SOIL	—	1							X					
SS-12 (2-4')			—	1							X					
SS-13 (1.5-3')			—	1							X					
SS-14 (4-6')			—	1							X					
SS-16 (1.5-3')			—	1							X					
SS-17 (1.5-3')			—	1							X					

Relinquished By:	Date/Time:	Relinquished By:	Date/Time:	Relinquished By:	Date/Time:
	1.3.07				
Received By:	**Date/Time:**	**Received By:**	**Date/Time:**	**Received By;**	**Date/Time:**
Erik Ding	1/8/06 12:00	Wojcik			1/9/07 8:30

GW=Ground Water S=Sediments/Soil WW=Waste Water

F/Formats/Misc Office Forms/Chain of Custody

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number R1222-12

Prepared for:

Attn: Kevin Doherty
Knoll Environmental
69 Wexford St.
Needham, MA 02194

Report Date: January 2, 2007

Lab # RI010

Electronic Copy

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: New England Testing Laboratory, Inc.	Project #: 2430
Project Location: Kansas	RTN[1]:
This form provides certifications for the following data set: R1222-12	
Sample Matrices: Groundwater ( ) Soil/Sediment (X) Drinking Water ( ) Other:	

SW-846 Methods Used					
	8260B ( )	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )
	8082 (X)	8021B ( )	EPH ( )	7000 S[3] ( )	Other: ( )

1 List Release Tracking Number (RTN), if known
2 M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S – SW-846 Methods 7000 Series List individual method and analyte

An affirmative response to questions A, B, and C is required for "Presumptive Certainty" status

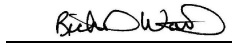
A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of Custody documentation for the data set?	Yes (X) No[1] ( )
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (X) No[1] ( )
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	Yes (X) No[1] ( ) Not Applicable ( )
D	***VPH and EPH Methods only***: Was the VPH and EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)	Yes ( ) No[1] ( )

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all QC performance standards and recommendations for the specified methods achieved?	Yes (X) No[1] ( )
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes (X) No[1] ( )

[1]All NO answers must be addressed in an attached Environmental Laboratory case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:  Position: Laboratory Director

Printed Name: Richard Warila Date: 1/2/2007

STATEMENTS/CERTIFICATIONS REQUIRED BY THE NATIONAL ENVIRONMENTAL LABORATORY APPROVAL CONFERENCE (NELAC)

New England Testing Laboratory is certified under the National Environmental Laboratory Approval Program (NELAP). This certification requires the following statements and certifications be included in our report.

This report shall not be reproduced, except in full, without written approval of the laboratory.

New England Testing certifies that the test results contained within this report meet all NELAC requirements except as detailed in the Case Narrative section of this report.

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on December 22, 2006. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. The case number for this sample submission is R1222-12.

Custody records are included in this report.

Site: Kansas
COC#: 2430

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
B-108 [1.5-3']	12/20/06	Soil	Table II
B-109 [2-4']	12/20/06	Soil	Table II
B-110 [1.5-3']	12/20/06	Soil	Table II
B-111 [4-6']	12/20/06	Soil	Table II
B-112 [1.5-4']	12/20/06	Soil	Table II
B-113 [1.5-3']	12/20/06	Soil	Table II
B-114 [1.5-3.5']	12/20/06	Soil	Table II

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
PCBs	3541	8082

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd ed., USEPA.

CASE NARRATIVE:

Sample Receipt:

No sample for ms/msd/duplicate analysis was supplied. No field blank was supplied. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits.)

The samples were all appropriately cooled and preserved upon receipt.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

PCBs:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Sample Results

RESULTS: PCBs

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

Sample: B-108 [1.5-3']		Analyst's Initials: DC
Case No.: R1222-12		
Date Collected: 12/20/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/28/06	12/29/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	954	287
Aroclor-1260	431	287
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	50	43-125
DCBP	45	41-127

*Dry Weight Basis

Sample: B-109 [2-4']		Analyst's Initials: DC
Case No.: R1222-12		
Date Collected: 12/20/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/28/06	12/29/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	45	43-125
DCBP	70	41-127

*Dry Weight Basis

Sample: B-110 [1.5-3']		Analyst's Initials: DC
Case No.: R1222-12		
Date Collected: 12/20/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/28/06	12/29/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	114	100
Aroclor-1260	122	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	45	43-125
DCBP	55	41-127

*Dry Weight Basis

Sample: B-111 [4-6']		Analyst's Initials: DC
Case No.: R1222-12		
Date Collected: 12/20/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/28/06	12/29/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	63	43-125
DCBP	45	41-127

*Dry Weight Basis

Sample: B-112 [1.5-4']		Analyst's Initials: DC
Case No.: R1222-12		
Date Collected: 12/20/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/28/06	12/29/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	45	43-125
DCBP	63	41-127

*Dry Weight Basis

Sample: B-113 [1.5-3']		Analyst's Initials: DC
Case No.: R1222-12		
Date Collected: 12/20/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/28/06	12/29/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	810	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	45	43-125
DCBP	55	41-127

*Dry Weight Basis

Sample: B-114 [1.5-3.5']		Analyst's Initials: DC
Case No.: R1222-12		
Date Collected: 12/20/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/28/06	12/29/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	437	100
Aroclor-1260	149	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	93	43-125
DCBP	85	41-127

*Dry Weight Basis

Sample: Method Blank		Analyst's Initials: DC
Case No.: R1222-12		
Date Collected: NA		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/28/06	12/29/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	53	43-125
DCBP	63	41-127

PCB Laboratory Control Spike

Sample Matrix: Soil			Analyst:	RCM
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3541	12/28/06			12/29/06
Analytical Method: EPA 8082				
Compound	Amount Spiked mg/kg	Result mg/kg	Recovery %	Recovery Limits
Aroclor 1254	0.500	0.330	66	40-140
Surrogates:				
Compound	% Recovery	Limits		
TCMX	45	43-125		
DCBP	55	41-127		

Custody Records

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

R12222-12

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
Fax: (781) 449-1623

Turn Around Time: NORMAL
Due Date:

Project Name: KANSAS

COC# 2430

PO# 8362

Comments: IF THERE WAS A HIT ON B-108 THROUGH B-114 (3.5-1.5') THEN RUN THE CORRECPONDING SAMPLE.

Collected By: JDD

Sample ID	Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 (PAH's)	VPH (TPH)	EPH (TPH)	RCRA 8 †Dissolved †Total	8080 (PCB)	Amrec Specs	Bardon Trimount	ESMI Specs	Asb. by PLM
B-108 (.5-3')	12.20.06	SOIL	—	1								X				
B-109 (2-4')			—	1								X				
B-110 (.5-3')			—	1								X				
B-111 (4-6')			—	1								X				
B-112 (.5-4')			—	1								X				
B-113 (.5-3')			—	1								X				
B-114 (1.5-3.5)			—	1								X				

Relinquished By:	Date/Time:	Relinquished By:	Date/Time:	Relinquished By:	Date/Time:
	12.21.06				
Received By:	Date/Time:	Received By:	Date/Time:	Received By:	Date/Time:
	12/21/06 1:45			D Wojcik	12/22/06 10:40 5°

GW=Ground Water S=Sediments/Soil WW=Waste Water

F/Formats/Misc Office Forms/Chain of Custody

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number R1222-11

Prepared for:

Attn: Kevin Doherty
Knoll Environmental
69 Wexford St.
Needham, MA 02194

Report Date: January 3, 2007

Lab # RI010

Electronic Copy

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: New England Testing Laboratory, Inc. Project #: 2428

Project Location: Kansas RTN[1]:

This form provides certifications for the following data set: R1222-11

Sample Matrices: Groundwater ( ) Soil/Sediment (X) Drinking Water ( ) Other:

SW-846 Methods Used					
	8260B (X)	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )
	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	Other: ( )

1 List Release Tracking Number (RTN), if known
2 M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S – SW-846 Methods 7000 Series List individual method and analyte

An affirmative response to questions A, B, and C is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of Custody documentation for the data set?	Yes (X) No[1] ( )
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (X) No[1] ( )
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	Yes (X) No[1] ( ) Not Applicable ( )
D	***VPH and EPH Methods only***: Was the VPH and EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)	Yes ( ) No[1] ( )

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all QC performance standards and recommendations for the specified methods achieved?	Yes (X) No[1] ( )
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes (X) No[1] ( )

[1]All NO answers must be addressed in an attached Environmental Laboratory case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ Position: Laboratory Director

Printed Name: Richard Warila Date: 1/3/2007

ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: New England Testing Laboratory, Inc. Project #: 2428

Project Location: Kansas RTN[1]:

This form provides certifications for the following data set: R1222-11

Sample Matrices: Groundwater ( ) Soil/Sediment (X) Drinking Water ( ) Other:

SW-846 Methods Used					
	8260B ( )	8151A ( )	8330 ( )	6010B (X)	7470A/1A (X)
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )
	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	Other: ( )

1 List Release Tracking Number (RTN), if known
2 M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S – SW-846 Methods 7000 Series List individual method and analyte

An affirmative response to questions A, B, and C is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of Custody documentation for the data set?	Yes (X) No[1] ( )
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (X) No[1] ( )
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	Yes (X) No[1] ( ) Not Applicable ( )
D	***VPH and EPH Methods only***: Was the VPH and EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)	Yes ( ) No[1] ( )

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all QC performance standards and recommendations for the specified methods achieved?	Yes (X) No[1] ( )
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes (X) No[1] ( )

[1]All NO answers must be addressed in an attached Environmental Laboratory case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Jodi Lyons Position: Director, Inorganics

Printed Name: Jodi Lyons Date: 1/3/2007

STATEMENTS/CERTIFICATIONS REQUIRED BY THE NATIONAL ENVIRONMENTAL LABORATORY APPROVAL CONFERENCE (NELAC)

New England Testing Laboratory is certified under the National Environmental Laboratory Approval Program (NELAP). This certification requires the following statements and certifications be included in our report.

This report shall not be reproduced, except in full, without written approval of the laboratory.

New England Testing certifies that the test results contained within this report meet all NELAC requirements except as detailed in the Case Narrative section of this report.

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on December 22, 2006. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. The case number for this sample submission is R1222-11.

Custody records are included in this report.

Site: Kansas
COC #2428

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
SS-11 [.5-1.5']	12/20/06	Soil	Table II
SS-12 [.3-1.5']	12/20/06	Soil	Table II
SS-13 [.3-1.5']	12/20/06	Soil	Table II
SS-14 [.5-1.5']	12/20/06	Soil	Table II
SS-15 [.3-1.5']	12/20/06	Soil	Table II
SS-16 [.3-1.5']	12/20/06	Soil	Table II
SS-17 [.3-1.5']	12/20/06	Soil	Table II
SS-18 [0-3']	12/20/06	Soil	Table III
SS-19 [2-4']	12/20/06	Soil	Table III

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Total Metals		
Arsenic	3050B	6010B
Barium	3050B	6010B
Cadmium	3050B	6010B
Chromium	3050B	6010B
Lead	3050B	6010B
Mercury	NA	7471A
Selenium	3050B	6010B
Silver	3050B	6010B

TABLE III, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Volatile Organic Compounds	5035	8260B

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd ed., USEPA.

CASE NARRATIVE:

Sample Receipt:

No sample for ms/msd/duplicate analysis was supplied. No trip blank or field blank was supplied. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits.)

The samples were all appropriately cooled and preserved upon receipt.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

Metals:

All analyses were performed according to NETLAB's documented Standard Operating Procedures, within all required holding times, and with appropriate quality control measures. All QC was within laboratory established acceptance criteria. The samples were received, processed, and reported with no anomalies.

Volatile Organics:

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Sample Results

METALS RESULTS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Metals Analysis Department certifies that the results included in this section have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

New England Testing Laboratory, Inc.

METALS RESULTS

Case Number: R1222-11
Sample ID: SS-11 [.5-1.5']
Date collected: 12/20/06
Matrix SOIL
Solids, % 87.79
Sample Type: Total

Analyst AR/JV

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	56	0.75	0.75	mg/kg	12/28/06	12/29/06
Barium	7440-39-3	3050B	6010B	1930	3.75	0.37	mg/kg	12/28/06	12/29/06
Cadmium	7440-43-9	3050B	6010B	76	0.37	0.37	mg/kg	12/28/06	12/29/06
Chromium	7440-47-3	3050B	6010B	222	0.37	0.37	mg/kg	12/28/06	12/29/06
Lead	7439-92-1	3050B	6010B	9450	3.75	0.37	mg/kg	12/28/06	12/29/06
Mercury	7439-97-6	NA	7471A	15	0.758	0.076	mg/kg	1/2/07	1/2/07
Selenium	7782-49-2	3050B	6010B	1.95	0.75	0.75	mg/kg	12/28/06	1/2/07
Silver	7440-22-4	3050B	6010B	8.99	0.37	0.37	mg/kg	12/28/06	12/29/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: R1222-11
Sample ID: SS-12 [.3-1.5']
Date collected: 12/20/06
Matrix SOIL
Solids, % 83.75
Sample Type: Total

Analyst AR/JV

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	16	0.79	0.79	mg/kg	12/28/06	12/29/06
Barium	7440-39-3	3050B	6010B	148	0.39	0.39	mg/kg	12/28/06	12/29/06
Cadmium	7440-43-9	3050B	6010B	5.03	0.39	0.39	mg/kg	12/28/06	12/29/06
Chromium	7440-47-3	3050B	6010B	25	0.39	0.39	mg/kg	12/28/06	12/29/06
Lead	7439-92-1	3050B	6010B	802	0.39	0.39	mg/kg	12/28/06	12/29/06
Mercury	7439-97-6	NA	7471A	0.446	0.080	0.080	mg/kg	12/28/06	12/29/06
Selenium	7782-49-2	3050B	6010B	ND	0.79	0.79	mg/kg	12/28/06	1/2/07
Silver	7440-22-4	3050B	6010B	0.39	0.39	0.39	mg/kg	12/28/06	12/29/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: R1222-11
Sample ID: SS-13 [.3-1.5']
Date collected: 12/20/06
Matrix SOIL
Solids, % 87.93
Sample Type: Total

Analyst AR/JV

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	51	0.75	0.75	mg/kg	12/28/06	12/29/06
Barium	7440-39-3	3050B	6010B	2170	7.53	0.38	mg/kg	12/28/06	12/29/06
Cadmium	7440-43-9	3050B	6010B	99	0.38	0.38	mg/kg	12/28/06	12/29/06
Chromium	7440-47-3	3050B	6010B	254	0.38	0.38	mg/kg	12/28/06	12/29/06
Lead	7439-92-1	3050B	6010B	22800	7.53	0.38	mg/kg	12/28/06	12/29/06
Mercury	7439-97-6	NA	7471A	1.86	0.743	0.074	mg/kg	12/28/06	12/29/06
Selenium	7782-49-2	3050B	6010B	2.94	0.75	0.75	mg/kg	12/28/06	1/2/07
Silver	7440-22-4	3050B	6010B	4.59	0.38	0.38	mg/kg	12/28/06	12/29/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: R1222-11
Sample ID: SS-14 [.5-1.5']
Date collected: 12/20/06
Matrix SOIL
Solids, % 86.12
Sample Type: Total

Analyst AR/JV

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	30	0.77	0.77	mg/kg	12/28/06	12/29/06
Barium	7440-39-3	3050B	6010B	535	0.39	0.39	mg/kg	12/28/06	12/29/06
Cadmium	7440-43-9	3050B	6010B	52	0.39	0.39	mg/kg	12/28/06	12/29/06
Chromium	7440-47-3	3050B	6010B	687	0.39	0.39	mg/kg	1/2/07	1/2/07
Lead	7439-92-1	3050B	6010B	8440	3.87	0.39	mg/kg	1/2/07	1/2/07
Mercury	7439-97-6	NA	7471A	1.29	0.371	0.074	mg/kg	12/28/06	12/29/06
Selenium	7782-49-2	3050B	6010B	1.24	0.77	0.77	mg/kg	12/28/06	1/2/07
Silver	7440-22-4	3050B	6010B	2.71	0.39	0.39	mg/kg	12/28/06	12/29/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: R1222-11
Sample ID: SS-15 [.3-1.5']
Date collected: 12/20/06
Matrix SOIL
Solids, % 88.31
Sample Type: Total

Analyst AR/JV

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	18	0.74	0.74	mg/kg	12/28/06	12/29/06
Barium	7440-39-3	3050B	6010B	60	0.37	0.37	mg/kg	12/28/06	12/29/06
Cadmium	7440-43-9	3050B	6010B	1.42	0.37	0.37	mg/kg	12/28/06	12/29/06
Chromium	7440-47-3	3050B	6010B	18	0.37	0.37	mg/kg	12/28/06	12/29/06
Lead	7439-92-1	3050B	6010B	118	0.37	0.37	mg/kg	12/28/06	12/29/06
Mercury	7439-97-6	NA	7471A	0.144	0.072	0.072	mg/kg	12/28/06	12/29/06
Selenium	7782-49-2	3050B	6010B	1.04	0.74	0.74	mg/kg	12/28/06	1/2/07
Silver	7440-22-4	3050B	6010B	ND	0.37	0.37	mg/kg	12/28/06	12/29/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: R1222-11
Sample ID: SS-16 [.3-1.5']
Date collected: 12/20/06
Matrix SOIL
Solids, % 86.75
Sample Type: Total

Analyst AR/JV

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	14	0.76	0.76	mg/kg	12/28/06	12/29/06
Barium	7440-39-3	3050B	6010B	87	0.38	0.38	mg/kg	12/28/06	12/29/06
Cadmium	7440-43-9	3050B	6010B	4.93	0.38	0.38	mg/kg	12/28/06	12/29/06
Chromium	7440-47-3	3050B	6010B	43	0.38	0.38	mg/kg	12/28/06	12/29/06
Lead	7439-92-1	3050B	6010B	986	0.38	0.38	mg/kg	12/28/06	12/29/06
Mercury	7439-97-6	NA	7471A	0.299	0.075	0.075	mg/kg	12/28/06	12/29/06
Selenium	7782-49-2	3050B	6010B	ND	0.76	0.76	mg/kg	12/28/06	1/2/07
Silver	7440-22-4	3050B	6010B	0.61	0.38	0.38	mg/kg	12/28/06	12/29/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: R1222-11
Sample ID: SS-17 [.3-1.5']
Date collected: 12/20/06
Matrix SOIL
Solids, % 89
Sample Type: Total

Analyst AR/JV

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	17	0.75	0.75	mg/kg	12/28/06	12/29/06
Barium	7440-39-3	3050B	6010B	213	0.38	0.38	mg/kg	12/28/06	12/29/06
Cadmium	7440-43-9	3050B	6010B	15	0.38	0.38	mg/kg	12/28/06	12/29/06
Chromium	7440-47-3	3050B	6010B	55	0.38	0.38	mg/kg	12/28/06	12/29/06
Lead	7439-92-1	3050B	6010B	11900	7.54	0.38	mg/kg	12/28/06	12/29/06
Mercury	7439-97-6	NA	7471A	0.934	0.371	0.074	mg/kg	12/28/06	12/29/06
Selenium	7782-49-2	3050B	6010B	4.30	0.75	0.75	mg/kg	12/28/06	1/2/07
Silver	7440-22-4	3050B	6010B	1.43	0.38	0.38	mg/kg	12/28/06	12/29/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Sample ID: Preparation Blank
Matrix SOIL
Solids, % 100
Sample Type: Total

Analyst AR/JV

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	ND	0.67	0.67	mg/kg	12/28/06	12/29/06
Barium	7440-39-3	3050B	6010B	ND	0.33	0.33	mg/kg	12/28/06	12/29/06
Cadmium	7440-43-9	3050B	6010B	ND	0.33	0.33	mg/kg	12/28/06	12/29/06
Chromium	7440-47-3	3050B	6010B	ND	0.33	0.33	mg/kg	12/28/06	12/29/06
Chromium	7440-47-3	3050B	6010B	ND	0.33	0.33	mg/kg	1/2/07	1/2/07
Lead	7439-92-1	3050B	6010B	ND	0.33	0.33	mg/kg	12/28/06	12/29/06
Lead	7439-92-1	3050B	6010B	ND	0.33	0.33	mg/kg	1/2/07	1/2/07
Mercury	7439-97-6	NA	7471A	ND	0.067	0.067	mg/kg	12/28/06	12/29/06
Selenium	7782-49-2	3050B	6010B	ND	0.67	0.67	mg/kg	12/28/06	1/2/07
Silver	7440-22-4	3050B	6010B	ND	0.33	0.33	mg/kg	12/28/06	12/29/06

ND indicates not Detected

All results are reported on a dry weight basis.

LABORATORY CONTROL SAMPLE RECOVERY

Parameter	True Value	Result	Units	Recovery, %	Internal LCL, %	Internal UCL, %	Date Analyzed
Arsenic	66.7	62.3	mg/kg	93.4	83	123	12/29/06
Barium	66.7	63	mg/kg	94.5	81	111	12/29/06
Cadmium	66.7	62.2	mg/kg	93.3	90	109	12/29/06
Chromium	66.7	65.5	mg/kg	98.3	86	109	12/29/06
Chromium	66.7	66.3	mg/kg	99.5	86	109	1/2/07
Lead	66.7	64.6	mg/kg	96.9	89	108	12/29/06
Lead	66.7	65.1	mg/kg	97.6	89	108	1/2/07
Mercury	0.133	0.132	mg/kg	99.0	88	113	12/29/06
Selenium	66.7	66.7	mg/kg	100	81	107	1/2/07
Silver	66.7	68	mg/kg	102	72	123	12/29/06

RESULTS: VOLATILE ORGANIC COMPOUNDS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R1222-11
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 25.0 (g/ml) G
% Moisture 17.18
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: SS-18 [0-3']
Lab File ID: G01033.D
Date Sampled: 12/20/2006
Date Analyzed: 1/2/2007
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
75-01-4	Vinyl Chloride	24	U
74-83-9	Bromomethane	24	U
75-00-3	Chloroethane	24	U
67-64-1	Acetone	120	U
75-34-4	1,1-Dichloroethene	24	U
75-15-0	Carbon Disulfide	48	U
75-09-2	Methylene Chloride	72	U
1634-04-4	tert-Butyl methyl ether	24	U
156-60-5	trans-1,2 Dichloroethene	24	U
75-34-3	1,1-Dichloroethane	24	U
78-93-3	2-Butanone	120	U
594-20-7	2,2-Dichloropropane	24	U
156-59-2	cis-1,2-Dichloroethene	24	U
67-66-3	Chloroform	24	U
74-97-5	Bromochloromethane	24	U
71-56-6	1,1,1-Trichloroethane	24	U
563-58-6	1,1-Dichloropropene	24	U
56-23-5	Carbon Tetrachloride	24	U
71-43-2	Benzene	48	U
107-06-2	1,2-Dichloroethane	24	U
79-01-6	Trichloroethene	23000	E
78-87-5	1,2-Dichloropropane	24	U
75-27-4	Bromodichloromethane	24	U
74-95-3	Dibromomethane	24	U
108-10-1	4-Methyl-2-pentanone	120	U
106-93-4	Ethylene Dibromide	24	U
10061-01-5	cis-1,3-Dichloropropene	24	U
108-88-3	Toluene	24	U
10061-02-6	Trans-1,3-Dichloropropene	24	U
79-00-5	1,1,2-Trichloroethane	24	U
591-78-6	2-Hexanone	120	U
127-18-4	Tetrachloroethene	800	
124-48-1	Chlorodibromomethane	24	U
108-90-7	Chlorobenzene	24	U
630-20-6	1,1,1,2-Tetrachloroethane	24	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R1222-11
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 25.0 (g/ml) G
% Moisture 17.18
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: SS-18 [0-3']
Lab File ID: G01033.D
Date Sampled: 12/20/2006
Date Analyzed: 1/2/2007
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
100-41-4	Ethylbenzene	24	U
1330-20-7	m & p-Xylene	48	U
95-47-6	o-Xylene	24	U
100-42-5	Styrene	24	U
75-25-2	Bromoform	24	U
98-82-8	Isopropylbenzene	24	U
79-34-5	1,1,2,2-Tetrachloroethene	24	U
108-86-1	Bromobenzene	24	U
96-18-4	1,2,3-Trichloropropane	24	U
95-49-8	2-Chlorotoluene	24	U
103-65-1	n-Propylbenzene	24	U
108-67-8	1,3,5-Trimethylbenzene	24	U
106-43-4	4-Chlorotoluene	24	U
98-06-6	tert-Butylbenzene	24	U
95-63-6	1,2,4-Trimethylbenzene	24	U
135-98-8	sec-Butylbenzene	24	U
99-87-6	p-Isopropyltoluene	24	U
75-87-3	Chloromethane	24	U
75-65-0	tert butyl alcohol	240	U
541-73-1	1,3-Dichlorobenzene	24	U
109-99-9	Tetrahydrofuran	120	U
106-46-7	1,4-Dichlorobenzene	24	U
60-29-7	Diethyl Ether	48	U
104-51-8	n-Butylbenzene	24	U
95-50-1	1,2-Dichlorobenzene	24	U
96-12-8	1,2-Dibromo-3-chloropropane	24	U
120-82-1	1,2,4-Trichlorobenzene	24	U
87-68-3	Hexachlorobutadiene	24	U
91-20-3	Naphthalene	24	U
87-61-6	1,2,3-Trichlorobenzene	24	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R1222-11
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 25.0 (g/ml) G
% Moisture 17.18
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: SS-18 [0-3'].dl
Lab File ID: C010307.D
Date Sampled: 12/20/2006
Date Analyzed: 1/3/2007
Dilution Factor: 10.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
75-01-4	Vinyl Chloride	240	U
74-83-9	Bromomethane	240	U
75-00-3	Chloroethane	240	U
67-64-1	Acetone	1200	U
75-35-4	1,1-Dichloroethene	240	U
75-15-0	Carbon Disulfide	1200	U
75-09-2	Methylene Chloride	2400	U
1634-04-4	tert-Butyl methyl ether	240	U
156-60-5	trans-1,2 Dichloroethene	240	U
75-34-3	1,1-Dichloroethane	240	U
78-93-3	2-Butanone	1200	U
594-20-7	2,2-Dichloropropane	240	U
156-59-2	cis-1,2-Dichloroethene	240	U
67-66-3	Chloroform	240	U
74-97-5	Bromochloromethane	240	U
71-55-6	1,1,1-Trichloroethane	240	U
563-58-6	1,1-Dichloropropene	240	U
56-23-5	Carbon Tetrachloride	240	U
71-43-2	Benzene	480	U
107-06-2	1,2-Dichloroethane	240	U
79-01-6	Trichloroethene	24000	D
78-87-5	1,2-Dichloropropane	240	U
75-27-4	Bromodichloromethane	240	U
74-95-3	Dibromomethane	240	U
108-10-1	4-Methyl-2-pentanone	1200	U
106-93-4	Ethylene Dibromide	240	U
10061-01-5	cis-1,3-Dichloropropene	240	U
108-88-3	Toluene	240	U
10061-02-6	Trans-1,3-Dichloropropene	240	U
79-00-5	1,1,2-Trichloroethane	240	U
591-78-6	2-Hexanone	1200	U
127-18-4	Tetrachloroethene	670	D
124-48-1	Chlorodibromomethane	240	U
108-90-7	Chlorobenzene	1200	U
630-20-6	1,1,1,2-Tetrachloroethane	240	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R1222-11
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 25.0 (g/ml) G
% Moisture 17.18
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: SS-18 [0-3'].dl
Lab File ID: C010307.D
Date Sampled: 12/20/2006
Date Analyzed: 1/3/2007
Dilution Factor: 10.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
100-41-4	Ethylbenzene	240	U
1330-20-7	m & p-Xylene	480	U
95-47-6	o-Xylene	240	U
100-42-5	Styrene	240	U
75-25-2	Bromoform	240	U
98-82-8	Isopropylbenzene	240	U
79-34-5	1,1,2,2-Tetrachloroethane	240	U
108-86-1	Bromobenzene	240	U
96-18-4	1,2,3-Trichloropropane	240	U
95-49-8	2-Chlorotoluene	240	U
103-65-1	n-Propylbenzene	240	U
108-67-8	1,3,5-Trimethylbenzene	240	U
106-43-4	4-Chlorotoluene	240	U
98-06-6	tert-Butylbenzene	240	U
95-63-6	1,2,4-Trimethylbenzene	240	U
135-98-8	sec-Butylbenzene	240	U
99-87-6	p-Isopropyltoluene	240	U
75-87-3	Chloromethane	240	U
75-65-0	tert butyl alcohol	1200	U
541-73-1	1,3-Dichlorobenzene	240	U
109-99-9	Tetrahydrofuran	1200	U
106-46-7	1,4-Dichlorobenzene	240	U
60-29-7	Diethyl Ether	1200	U
104-51-8	n-Butylbenzene	240	U
95-50-1	1,2-Dichlorobenzene	240	U
96-12-8	1,2-Dibromo-3-chloropropane	480	U
120-82-1	1,2,4-Trichlorobenzene	240	U
87-68-3	Hexachlorobutadiene	240	U
91-20-3	Naphthalene	480	U
87-61-6	1,2,3-Trichlorobenzene	240	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R1222-11
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 23.7 (g/ml) G
% Moisture 12.63
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: SS-19 [2-4']
Lab File ID: G01034.D
Date Sampled: 12/20/2006
Date Analyzed: 1/2/2007
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
75-01-4	Vinyl Chloride	160	
74-83-9	Bromomethane	24	U
75-00-3	Chloroethane	24	U
67-64-1	Acetone	120	U
75-34-4	1,1-Dichloroethene	24	U
75-15-0	Carbon Disulfide	48	U
75-09-2	Methylene Chloride	73	U
1634-04-4	tert-Butyl methyl ether	24	U
156-60-5	trans-1,2 Dichloroethene	24	U
75-34-3	1,1-Dichloroethane	24	U
78-93-3	2-Butanone	120	U
594-20-7	2,2-Dichloropropane	24	U
156-59-2	cis-1,2-Dichloroethene	190	
67-66-3	Chloroform	24	U
74-97-5	Bromochloromethane	24	U
71-56-6	1,1,1-Trichloroethane	24	U
563-58-6	1,1-Dichloropropene	24	U
56-23-5	Carbon Tetrachloride	24	U
71-43-2	Benzene	48	U
107-06-2	1,2-Dichloroethane	24	U
79-01-6	Trichloroethene	73	U
78-87-5	1,2-Dichloropropane	24	U
75-27-4	Bromodichloromethane	24	U
74-95-3	Dibromomethane	24	U
108-10-1	4-Methyl-2-pentanone	120	U
106-93-4	Ethylene Dibromide	24	U
10061-01-5	cis-1,3-Dichloropropene	24	U
108-88-3	Toluene	24	U
10061-02-6	Trans-1,3-Dichloropropene	24	U
79-00-5	1,1,2-Trichloroethane	24	U
591-78-6	2-Hexanone	120	U
127-18-4	Tetrachloroethene	24	U
124-48-1	Chlorodibromomethane	24	U
108-90-7	Chlorobenzene	24	U
630-20-6	1,1,1,2-Tetrachloroethane	24	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R1222-11
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 23.7 (g/ml) G
% Moisture 12.63
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: SS-19 [2-4']
Lab File ID: G01034.D
Date Sampled: 12/20/2006
Date Analyzed: 1/2/2007
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
100-41-4	Ethylbenzene	24	U
1330-20-7	m & p-Xylene	48	U
95-47-6	o-Xylene	24	U
100-42-5	Styrene	24	U
75-25-2	Bromoform	24	U
98-82-8	Isopropylbenzene	24	U
79-34-5	1,1,2,2-Tetrachloroethene	24	U
108-86-1	Bromobenzene	24	U
96-18-4	1,2,3-Trichloropropane	24	U
95-49-8	2-Chlorotoluene	24	U
103-65-1	n-Propylbenzene	24	U
108-67-8	1,3,5-Trimethylbenzene	68	
106-43-4	4-Chlorotoluene	24	U
98-06-6	tert-Butylbenzene	24	U
95-63-6	1,2,4-Trimethylbenzene	110	
135-98-8	sec-Butylbenzene	24	U
99-87-6	p-Isopropyltoluene	36	
75-87-3	Chloromethane	24	U
75-65-0	tert butyl alcohol	240	U
541-73-1	1,3-Dichlorobenzene	24	U
109-99-9	Tetrahydrofuran	120	U
106-46-7	1,4-Dichlorobenzene	24	U
60-29-7	Diethyl Ether	48	U
104-51-8	n-Butylbenzene	24	U
95-50-1	1,2-Dichlorobenzene	24	U
96-12-8	1,2-Dibromo-3-chloropropane	24	U
120-82-1	1,2,4-Trichlorobenzene	24	U
87-68-3	Hexachlorobutadiene	24	U
91-20-3	Naphthalene	24	U
87-61-6	1,2,3-Trichlorobenzene	24	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R1222-11
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 10.0 (g/ml) G
% Moisture 0
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: VBLK070102
Lab File ID: G01030.D
Date Sampled: 12/20/2006
Date Analyzed: 1/2/2007
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
75-01-4	Vinyl Chloride	50	U
74-83-9	Bromomethane	50	U
75-00-3	Chloroethane	50	U
67-64-1	Acetone	250	U
75-34-4	1,1-Dichloroethene	50	U
75-15-0	Carbon Disulfide	100	U
75-09-2	Methylene Chloride	150	U
1634-04-4	tert-Butyl methyl ether	50	U
156-60-5	trans-1,2 Dichloroethene	50	U
75-34-3	1,1-Dichloroethane	50	U
78-93-3	2-Butanone	250	U
594-20-7	2,2-Dichloropropane	50	U
156-59-2	cis-1,2-Dichloroethene	50	U
67-66-3	Chloroform	50	U
74-97-5	Bromochloromethane	50	U
71-56-6	1,1,1-Trichloroethane	50	U
563-58-6	1,1-Dichloropropene	50	U
56-23-5	Carbon Tetrachloride	50	U
71-43-2	Benzene	100	U
107-06-2	1,2-Dichloroethane	50	U
79-01-6	Trichloroethene	150	U
78-87-5	1,2-Dichloropropane	50	U
75-27-4	Bromodichloromethane	50	U
74-95-3	Dibromomethane	50	U
108-10-1	4-Methyl-2-pentanone	250	U
106-93-4	Ethylene Dibromide	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
108-88-3	Toluene	50	U
10061-02-6	Trans-1,3-Dichloropropene	50	U
79-00-5	1,1,2-Trichloroethane	50	U
591-78-6	2-Hexanone	250	U
127-18-4	Tetrachloroethene	50	U
124-48-1	Chlorodibromomethane	50	U
108-90-7	Chlorobenzene	50	U
630-20-6	1,1,1,2-Tetrachloroethane	50	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R1222-11
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 10.0 (g/ml) G
% Moisture 0
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: VBLK070102
Lab File ID: G01030.D
Date Sampled: 12/20/2006
Date Analyzed: 1/2/2007
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
100-41-4	Ethylbenzene	50	U
1330-20-7	m & p-Xylene	100	U
95-47-6	o-Xylene	50	U
100-42-5	Styrene	50	U
75-25-2	Bromoform	50	U
98-82-8	Isopropylbenzene	50	U
79-34-5	1,1,2,2-Tetrachloroethene	50	U
108-86-1	Bromobenzene	50	U
96-18-4	1,2,3-Trichloropropane	50	U
95-49-8	2-Chlorotoluene	50	U
103-65-1	n-Propylbenzene	50	U
108-67-8	1,3,5-Trimethylbenzene	50	U
106-43-4	4-Chlorotoluene	50	U
98-06-6	tert-Butylbenzene	50	U
95-63-6	1,2,4-Trimethylbenzene	50	U
135-98-8	sec-Butylbenzene	50	U
99-87-6	p-Isopropyltoluene	50	U
75-87-3	Chloromethane	50	U
75-65-0	tert butyl alcohol	500	U
541-73-1	1,3-Dichlorobenzene	50	U
109-99-9	Tetrahydrofuran	250	U
106-46-7	1,4-Dichlorobenzene	50	U
60-29-7	Diethyl Ether	100	U
104-51-8	n-Butylbenzene	50	U
95-50-1	1,2-Dichlorobenzene	50	U
96-12-8	1,2-Dibromo-3-chloropropane	50	U
120-82-1	1,2,4-Trichlorobenzene	50	U
87-68-3	Hexachlorobutadiene	50	U
91-20-3	Naphthalene	50	U
87-61-6	1,2,3-Trichlorobenzene	50	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R1222-11
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 10.0 (g/ml) G
% Moisture 0
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: VBLK070103
Lab File ID: C010306.D
Date Sampled: 12/20/2006
Date Analyzed: 1/3/2007
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
75-01-4	Vinyl Chloride	50	U
74-83-9	Bromomethane	50	U
75-00-3	Chloroethane	50	U
67-64-1	Acetone	250	U
75-35-4	1,1-Dichloroethene	50	U
75-15-0	Carbon Disulfide	250	U
75-09-2	Methylene Chloride	500	U
1634-04-4	tert-Butyl methyl ether	50	U
156-60-5	trans-1,2 Dichloroethene	50	U
75-34-3	1,1-Dichloroethane	50	U
78-93-3	2-Butanone	250	U
594-20-7	2,2-Dichloropropane	50	U
156-59-2	cis-1,2-Dichloroethene	50	U
67-66-3	Chloroform	50	U
74-97-5	Bromochloromethane	50	U
71-55-6	1,1,1-Trichloroethane	50	U
563-58-6	1,1-Dichloropropene	50	U
56-23-5	Carbon Tetrachloride	50	U
71-43-2	Benzene	100	U
107-06-2	1,2-Dichloroethane	50	U
79-01-6	Trichloroethene	150	U
78-87-5	1,2-Dichloropropane	50	U
75-27-4	Bromodichloromethane	50	U
74-95-3	Dibromomethane	50	U
108-10-1	4-Methyl-2-pentanone	250	U
106-93-4	Ethylene Dibromide	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
108-88-3	Toluene	50	U
10061-02-6	Trans-1,3-Dichloropropene	50	U
79-00-5	1,1,2-Trichloroethane	50	U
591-78-6	2-Hexanone	250	U
127-18-4	Tetrachloroethene	50	U
124-48-1	Chlorodibromomethane	50	U
108-90-7	Chlorobenzene	250	U
630-20-6	1,1,1,2-Tetrachloroethane	50	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R1222-11
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 10.0 (g/ml) G
% Moisture 0
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: VBLK070103
Lab File ID: C010306.D
Date Sampled: 12/20/2006
Date Analyzed: 1/3/2007
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
100-41-4	Ethylbenzene	50	U
1330-20-7	m & p-Xylene	100	U
95-47-6	o-Xylene	50	U
100-42-5	Styrene	50	U
75-25-2	Bromoform	50	U
98-82-8	Isopropylbenzene	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
108-86-1	Bromobenzene	50	U
96-18-4	1,2,3-Trichloropropane	50	U
95-49-8	2-Chlorotoluene	50	U
103-65-1	n-Propylbenzene	50	U
108-67-8	1,3,5-Trimethylbenzene	50	U
106-43-4	4-Chlorotoluene	50	U
98-06-6	tert-Butylbenzene	50	U
95-63-6	1,2,4-Trimethylbenzene	50	U
135-98-8	sec-Butylbenzene	50	U
99-87-6	p-Isopropyltoluene	50	U
75-87-3	Chloromethane	50	U
75-65-0	tert butyl alcohol	250	U
541-73-1	1,3-Dichlorobenzene	50	U
109-99-9	Tetrahydrofuran	250	U
106-46-7	1,4-Dichlorobenzene	50	U
60-29-7	Diethyl Ether	250	U
104-51-8	n-Butylbenzene	50	U
95-50-1	1,2-Dichlorobenzene	50	U
96-12-8	1,2-Dibromo-3-chloropropane	100	U
120-82-1	1,2,4-Trichlorobenzene	50	U
87-68-3	Hexachlorobutadiene	50	U
91-20-3	Naphthalene	100	U
87-61-6	1,2,3-Trichlorobenzene	50	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: New England Testing Lab Contract: Kansas

Lab Code: RI010 Case No.: R1222-11 SAS No.: _____ SDG No.: Knoll Envir

Level: (low/med) MED

	EPA SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	TOT OUT
01	VLCS070102	98	101	107	0
02	VBLK070102	102	100	106	0
03	SS-18 [0-3']	109	100	90	0
04	SS-19 [2-4']	101	104	95	0

QC LIMITS

SMC1	=	4-Bromofluorobenzene	(70-130)
SMC2	=	Toluene-D8	(70-130)
SMC3	=	1,2-Dichloroethane-D4	(70-130)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: New England Testing Lab Contract: Kansas

Lab Code: RI010 Case No.: R1222-11 SAS No.: _____ SDG No.: Knoll Envir

Level: (low/med) MED

	EPA SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	TOT OUT
01	VLCS070103	106	93	101	0
02	VBLK070103	99	100	101	0
03	SS-18 [0-3']	97	89	106	0

QC LIMITS

SMC1	=	4-Bromofluorobenzene	(70-130)
SMC2	=	Toluene-D8	(70-130)
SMC3	=	1,2-Dichloroethane-D4	(70-130)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

Volatile Organics Laboratory Control Spike

Date Analyzed: 1/2/07 **Sample ID: VLCS070102**

Compound	Spike Added (ug/L)	Spike Result (ug/L)	Recovery, %	Lower Control Limit, %	Upper Control Limit, %
1,1-Dichloroethene	50	55	109	70	130
Benzene	50	48	97	70	130
Trichloroethene	50	50	100	70	130
Toluene	50	49	99	70	130
Chlorobenzene	50	48	95	70	130

Volatile Organics Laboratory Control Spike

Date Analyzed: 1/3/07 **Sample ID: VLCS070103**

Compound	Spike Added (ug/L)	Spike Result (ug/L)	Recovery, %	Lower Control Limit, %	Upper Control Limit, %
1,1-Dichloroethene	50	58	116	70	130
Benzene	50	54	107	70	130
Trichloroethene	50	49	99	70	130
Toluene	50	50	99	70	130
Chlorobenzene	50	46	92	70	130

Custody Records

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R1222-11

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
Fax: (781) 449-1623

Turn Around Time: ~~NORMAL~~ 5 DAY
Due Date: 12.29.06

Project Name: KANSAS

COC# 2428

PO# 8360

Comments: * IF/THEN SAMPLES TO FOLLOW BASED ON RESULTS

Collected By: JOD/MU

Sample ID	Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 (PAH's)	VPH (TPH)	EPH (TPH)	RCRA 8 [i]Dissolved [i]Total	8080 (PCB)	Amrec Specs	Bardon Trimount	ESMI Specs	Asb. by PLM
SS-11 (.5-1.5)	12.20.06	SOIL	—	1							X*					
SS-12 (3-1.5')			—	1							X*					
SS-13 (.3-1.5')			—	1							X*					
SS-14 (.5-1.5')			—	1							X*					
SS-15 (.3-1.5')			—	1							X*					
SS-16 (.3-1.5')			—	1							X*					
SS-17 (.3-1.5')			—	1							X*					
SS-18 (0-3')			—	2	X											
SS-19 (2-4')			—	2	X											

Relinquished By: — Date/Time: 12.21.06 — Relinquished By: — Date/Time: — Relinquished By: — Date/Time:

Received By: — Date/Time: 12/21/06 1:45 — Received By: — Date/Time: — Received By; — Date/Time: 12/22/06 10:45

GW=Ground Water S=Sediments/Soil WW=Waste Water

3°

F/Formats/Misc Office Forms/Chain of Custody

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number R1222-07

Prepared for:

Attn: Kevin Doherty
Knoll Environmental
69 Wexford St.
Needham, MA 02194

Report Date: January 3, 2007

Lab # RI010

Electronic Copy

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: New England Testing Laboratory, Inc. Project #: 2428

Project Location: Kansas RTN[1]:

This form provides certifications for the following data set: R1222-07

Sample Matrices: Groundwater ( ) Soil/Sediment (X) Drinking Water ( ) Other:

SW-846 Methods Used					
	8260B ( )	8151A ( )	8330 ( )	6010B (X)	7470A/1A (X)
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )
	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	Other: (X)

1 List Release Tracking Number (RTN), if known
2 M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S – SW-846 Methods 7000 Series List individual method and analyte

An affirmative response to questions A, B, and C is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of Custody documentation for the data set?	Yes (X) No[1] ( )
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (X) No[1] ( )
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	Yes (X) No[1] ( ) Not Applicable ( )
D	***VPH and EPH Methods only***: Was the VPH and EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)	Yes ( ) No[1] ( )

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all QC performance standards and recommendations for the specified methods achieved?	Yes (X) No[1] ( )
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes (X) No[1] ( )

[1]All NO answers must be addressed in an attached Environmental Laboratory case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Jodi Lyons Position: Director, Inorganics

Printed Name: Jodi Lyons Date: 1/3/2007

STATEMENTS/CERTIFICATIONS REQUIRED BY THE NATIONAL ENVIRONMENTAL LABORATORY APPROVAL CONFERENCE (NELAC)

New England Testing Laboratory is certified under the National Environmental Laboratory Approval Program (NELAP). This certification requires the following statements and certifications be included in our report.

This report shall not be reproduced, except in full, without written approval of the laboratory.

New England Testing certifies that the test results contained within this report meet all NELAC requirements except as detailed in the Case Narrative section of this report.

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on December 22, 2006. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. The case number for this sample submission is R1222-07.

Custody records are included in this report.

Site: Kansas
COC #2428

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
SS-3 [1-5']	12/20/06	Soil	Table II
SS-7 [5-6.5']	12/20/06	Soil	Table II
SS-9 [2-4']	12/20/06	Soil	Table II
SS-5 [0-1.5']	12/20/06	Soil	Table III
SS-8 [.3-1.5']	12/20/06	Soil	Table III
SS-9 [.3-1.5']	12/20/06	Soil	Table III

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Total Metals		
Arsenic	3050B	6010B
Barium	3050B	6010B
Cadmium	3050B	6010B
Chromium	3050B	6010B
Lead	3050B	6010B
Mercury	NA	7471A
Selenium	3050B	6010B
Silver	3050B	6010B

TABLE III, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Hexavalent Chromium	3060A	7196

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd ed., USEPA.

CASE NARRATIVE:

Sample Receipt:

No sample for ms/msd/duplicate analysis was supplied. No field blank was supplied. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits.)

The samples were all appropriately cooled and preserved upon receipt.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

Metals:

All analyses were performed according to NETLAB's documented Standard Operating Procedures, within all required holding times, and with appropriate quality control measures. All QC was within laboratory established acceptance criteria. The samples were received, processed, and reported with no anomalies.

Hexavalent Chromium: The appropriate quality control requirements were within limits.

Sample Results

Hexavalent Chromium

Sample	Result, mg/kg*	Reporting Limit	Date Analyzed
SS-5 [0-1.5']	N.D.	0.45	12/29/06
SS-8 [.3-1.5']	N.D.	0.45	12/29/06
SS-9 [.3-1.5']	N.D.	0.85	12/29/06

N.D. = Not Detected

*Dry Weight Basis

METALS RESULTS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Metals Analysis Department certifies that the results included in this section have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

New England Testing Laboratory, Inc.

METALS RESULTS

Case Number: R1222-07
Sample ID: SS-3 [1-5']
Date collected: 12/20/06
Matrix SOIL
Solids, % 85.75
Sample Type: Total

Analyst AR/JV

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	12	0.78	0.78	mg/kg	12/28/06	12/29/06
Barium	7440-39-3	3050B	6010B	163	0.39	0.39	mg/kg	12/28/06	12/29/06
Cadmium	7440-43-9	3050B	6010B	26	0.39	0.39	mg/kg	12/28/06	12/29/06
Chromium	7440-47-3	3050B	6010B	96	0.39	0.39	mg/kg	12/28/06	12/29/06
Lead	7439-92-1	3050B	6010B	34600	39	0.39	mg/kg	12/28/06	12/29/06
Mercury	7439-97-6	NA	7471A	0.846	0.388	0.078	mg/kg	1/2/07	1/2/07
Selenium	7782-49-2	3050B	6010B	2.80	0.78	0.78	mg/kg	12/28/06	1/2/07
Silver	7440-22-4	3050B	6010B	2.02	0.39	0.39	mg/kg	12/28/06	12/29/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: R1222-07
Sample ID: SS-7 [5-6.5']
Date collected: 12/20/06
Matrix SOIL
Solids, % 87.88
Sample Type: Total

Analyst AR/JV

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	18	0.75	0.75	mg/kg	12/28/06	12/29/06
Barium	7440-39-3	3050B	6010B	113	0.38	0.38	mg/kg	12/28/06	12/29/06
Cadmium	7440-43-9	3050B	6010B	12	0.38	0.38	mg/kg	12/28/06	12/29/06
Chromium	7440-47-3	3050B	6010B	56	0.38	0.38	mg/kg	12/28/06	12/29/06
Lead	7439-92-1	3050B	6010B	12900	38	0.38	mg/kg	12/28/06	12/29/06
Mercury	7439-97-6	NA	7471A	12	0.741	0.074	mg/kg	1/2/07	1/2/07
Selenium	7782-49-2	3050B	6010B	ND	0.75	0.75	mg/kg	12/28/06	1/2/07
Silver	7440-22-4	3050B	6010B	0.68	0.38	0.38	mg/kg	12/28/06	12/29/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: R1222-07
Sample ID: SS-9 [2-4']
Date collected: 12/20/06
Matrix SOIL
Solids, % 69.15
Sample Type: Total

Analyst AR/JV

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	25	0.96	0.96	mg/kg	12/28/06	12/29/06
Barium	7440-39-3	3050B	6010B	279	0.48	0.48	mg/kg	12/28/06	12/29/06
Cadmium	7440-43-9	3050B	6010B	30	0.48	0.48	mg/kg	12/28/06	12/29/06
Chromium	7440-47-3	3050B	6010B	55	0.48	0.48	mg/kg	12/28/06	12/29/06
Lead	7439-92-1	3050B	6010B	11000	48	0.48	mg/kg	12/28/06	12/29/06
Mercury	7439-97-6	NA	7471A	5.30	0.477	0.095	mg/kg	1/2/07	1/2/07
Selenium	7782-49-2	3050B	6010B	3.57	0.96	0.96	mg/kg	12/28/06	1/2/07
Silver	7440-22-4	3050B	6010B	1.35	0.48	0.48	mg/kg	12/28/06	12/29/06

All results are reported on a dry weight basis.

METALS RESULTS

Sample ID: Preparation Blank
Matrix SOIL
Solids, % 100
Sample Type: Total

Analyst AR/JV

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	ND	0.67	0.67	mg/kg	12/28/06	12/29/06
Barium	7440-39-3	3050B	6010B	ND	0.33	0.33	mg/kg	12/28/06	12/29/06
Cadmium	7440-43-9	3050B	6010B	ND	0.33	0.33	mg/kg	12/28/06	12/29/06
Chromium	7440-47-3	3050B	6010B	ND	0.33	0.33	mg/kg	12/28/06	12/29/06
Lead	7439-92-1	3050B	6010B	ND	0.33	0.33	mg/kg	12/28/06	12/29/06
Mercury	7439-97-6	NA	7471A	ND	0.067	0.067	mg/kg	12/28/06	12/29/06
Selenium	7782-49-2	3050B	6010B	ND	0.67	0.67	mg/kg	12/28/06	1/2/07
Silver	7440-22-4	3050B	6010B	ND	0.33	0.33	mg/kg	12/28/06	12/29/06

ND indicates not Detected

All results are reported on a dry weight basis.

LABORATORY CONTROL SAMPLE RECOVERY

Parameter	True Value	Result	Units	Recovery, %	Internal LCL, %	Internal UCL, %	Date Analyzed
Arsenic	66.7	62.3	mg/kg	93.4	83	123	12/29/06
Barium	66.7	63	mg/kg	94.5	81	111	12/29/06
Cadmium	66.7	62.2	mg/kg	93.3	90	109	12/29/06
Chromium	66.7	65.5	mg/kg	98.3	86	109	12/29/06
Lead	66.7	64.6	mg/kg	96.9	89	108	12/29/06
Mercury	0.133	0.132	mg/kg	99.0	88	113	12/29/06
Selenium	66.7	66.7	mg/kg	100	81	107	1/2/07
Silver	66.7	68	mg/kg	102	72	123	12/29/06

Custody Records

R1222-07

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
Fax: (781) 449-1623

Turn Around Time: NORMAL
Due Date:

Project Name: KANSAS

COC# 2428

PO# 8360

Comments: CHROMIUM +6

Collected By: JOD/MU

Sample ID	Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 (PAH's)	[redacted]	EPH (TPH)	RCRA 8 [1]Dissolved [1]Total	8080 (PCB)	Amrec Specs	Bardon Trimount	ESMI Specs	Asb. by PLM
SS-3 (1-5')	12.20.06	SOIL	—								X					
SS-7 (5-6.5')			—								X					
SS-9 (2-4')			—						[redacted]		X					
SS-5 (0-1.5')			—						X							
SS-8 (3-4.5')			—						X							
SS-9 (8'-9.5')			—						X							

Relinquished By: JOD — Date/Time: 12.20.06
Received By: — Date/Time: 12/21/06 1:45

Relinquished By: — Date/Time:
Received By: — Date/Time:

Relinquished By: — Date/Time:
Received By: D Wojcik — Date/Time: 12/22/06

GW=Ground Water S=Sediments/Soil WW=Waste Water

F/Formats/Misc Office Forms/Chain of Custody

5°

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number R1222-06

Prepared for:

Attn: Kevin Doherty
Knoll Environmental
69 Wexford St.
Needham, MA 02194

Report Date: December 29, 2006

Lab # RI010

Electronic Copy

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: New England Testing Laboratory, Inc. Project #: 2429

Project Location: Kansas RTN[1]:

This form provides certifications for the following data set: R1222-06

Sample Matrices: Groundwater ( ) Soil/Sediment (X) Drinking Water ( ) Other:

SW-846 Methods Used					
	8260B ( )	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )
	8082 (X)	8021B ( )	EPH ( )	7000 S[3] ( )	Other: ( )

1 List Release Tracking Number (RTN), if known
2 M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S – SW-846 Methods 7000 Series List individual method and analyte

An affirmative response to questions A, B, and C is required for "Presumptive Certainty" status

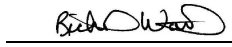
A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of Custody documentation for the data set?	Yes (X) No[1] ( )
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (X) No[1] ( )
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	Yes (X) No[1] ( ) Not Applicable ( )
D	***VPH and EPH Methods only***: Was the VPH and EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)	Yes ( ) No[1] ( )

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all QC performance standards and recommendations for the specified methods achieved?	Yes ( ) No[1] (X)
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes (X) No[1] ( )

[1]All NO answers must be addressed in an attached Environmental Laboratory case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:  Position: Laboratory Director

Printed Name: Richard Warila Date: 12/29/2006

STATEMENTS/CERTIFICATIONS REQUIRED BY THE NATIONAL ENVIRONMENTAL LABORATORY APPROVAL CONFERENCE (NELAC)

New England Testing Laboratory is certified under the National Environmental Laboratory Approval Program (NELAP). This certification requires the following statements and certifications be included in our report.

This report shall not be reproduced, except in full, without written approval of the laboratory.

New England Testing certifies that the test results contained within this report meet all NELAC requirements except as detailed in the Case Narrative section of this report.

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on December 22, 2006. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. The case number for this sample submission is R1222-06.

Custody records are included in this report.

Site: Kansas
COC#: 2429

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
B-108 [.5-1.5']	12/20/06	Soil	Table II
B-109 [.3-1.5]	12/20/06	Soil	Table II
B-110 [.3-1.5]	12/20/06	Soil	Table II
B-111 [.5-1.5']	12/20/06	Soil	Table II
B-112 [.3-1.5']	12/20/06	Soil	Table II
B-113 [.3-1.5']	12/20/06	Soil	Table II
B-114 [.3-1.5']	12/20/06	Soil	Table II

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
PCBs	3541	8082

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd ed., USEPA.

CASE NARRATIVE:

Sample Receipt:

No sample for ms/msd/duplicate analysis was supplied. No field blank was supplied. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits.)

The samples were all appropriately cooled and preserved upon receipt.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

PCBs:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

The samples "B-108 .5-1.5", "B-109 .3-1.5", B-110 .3-1.5" and "B-111 .3-1.5" exceeded the calibration range of the instrument and were analyzed at a dilution. As a result, the surrogates were diluted out.

There were no other anomalies or non-conformances encountered.

Sample Results

RESULTS: PCBs

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

Sample: B-108 [.5-1.5']		Analyst's Initials: DC
Case No.: R1222-06		
Date Collected: 12/20/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/27/06	12/28/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	136000	27500
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	Surrogate diluted out	43-125
DCBP	Surrogate diluted out	41-127

*Dry Weight Basis

Sample: B-109 [.3-1.5']		Analyst's Initials: DC
Case No.: R1222-06		
Date Collected: 12/20/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/27/06	12/28/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	11100	2720
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	Surrogate diluted out	43-125
DCBP	Surrogate diluted out	41-127

*Dry Weight Basis

Sample: B-110 [.3-1.5']		Analyst's Initials: DC
Case No.: R1222-06		
Date Collected: 12/20/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/27/06	12/28/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	51100	5530
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	Surrogate diluted out	43-125
DCBP	Surrogate diluted out	41-127

*Dry Weight Basis

Sample: B-111 [.5-1.5']		Analyst's Initials: DC
Case No.: R1222-06		
Date Collected: 12/20/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/27/06	12/28/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	12900	2830
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	Surrogate diluted out	43-125
DCBP	Surrogate diluted out	41-127

*Dry Weight Basis

Sample: B-112 [.3-1.5']		Analyst's Initials: DC
Case No.: R1222-06		
Date Collected: 12/20/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/27/06	12/28/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	45	43-125
DCBP	45	41-127

*Dry Weight Basis

Sample: B-113 [.3-1.5']		Analyst's Initials: DC
Case No.: R1222-06		
Date Collected: 12/20/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/27/06	12/28/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	1310	113
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	45	43-125
DCBP	65	41-127

*Dry Weight Basis

Sample: B-114 [.3-1.5']		Analyst's Initials: DC
Case No.: R1222-06		
Date Collected: 12/20/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/27/06	12/28/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	1400	222
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	50	43-125
DCBP	80	41-127

*Dry Weight Basis

Sample: Method Blank		Analyst's Initials: DC
Case No.: R1222-06		
Date Collected: NA		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	12/27/06	12/29/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	43	43-125
DCBP	48	41-127

PCB Laboratory Control Spike

Sample Matrix: Soil			Analyst:	RCM
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3541	12/27/06			12/29/06
Analytical Method: EPA 8082				
Compound	Amount Spiked mg/kg	Result mg/kg	Recovery %	Recovery Limits
Aroclor 1254	0.500	0.404	81	40-140
Surrogates:				
Compound	% Recovery	Limits		
TCMX	43	43-125		
DCBP	45	41-127		

Custody Records

R1222-06

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
Fax: (781) 449-1623

Turn Around Time: ~~NORMAL~~ 5 DAY
Due Date: 12.29.06

Project Name: KANSAS

COC# 2429

PO# 8361

Comments: * IF/THEN SAMPLES PENDING RESULTS

SEE COC# 2430

Collected By: JOD/MV

Sample ID	Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 (PAH's)	VPH (TPH)	EPH (TPH)	RCRA 8 ⁱDissolved ⁱTotal	8080 (PCB)	Amrec Specs	Bardon Trimount	ESMI Specs	Asb. by PLM
B-108 (.5-1.5')	12.2006	SOIL	—	1								X				
B-109 (.3-1.5')	↓	↓	—	1								X				
B-110 (.3-1.5')			—	1								X				
B-111 (.5-1.5')			—	1								X				
B-112 (.3-1.5')			—	1								X				
B-113 (.3-1.5')			—	1								X				
B-114 (.3-1.5')			—	1								X				

Relinquished By: Date/Time: Relinquished By: Date/Time: Relinquished By: Date/Time:

Mon 12-21-06

Received By: Date/Time: Received By: Date/Time: Received By: Date/Time:

1:45 - 12/21/06 D Coffeik 12/22/06 11:13

GW=Ground Water S=Sediments/Soil WW=Waste Water

5°

F/Formats/Misc Office Forms/Chain of Custody

APPENDICES

VOLUME 2

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number R0831-03

Prepared for:

Attn: Kevin Doherty
Knoll Environmental
69 Wexford St.
Needham, MA 02194

Report Date: September 15, 2006

Lab # RI010

ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: New England Testing Laboratory, Inc. Project #: 2401

Project Location: Kansas St. RTN[1]:

This form provides certifications for the following data set: R0831-03

Sample Matrices: Groundwater ( ) Soil/Sediment (X) Drinking Water ( ) Other:

SW-846 Methods Used					
	8260B (X)	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
	8270C ( )	8081A ( )	VPH (X)	6020 ( )	9014M[2] ( )
	8082 ( )	8021B ( )	EPH (X)	7000 S[3] ( )	Other: ( )

1 List Release Tracking Number (RTN), if known
2 M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S – SW-846 Methods 7000 Series List individual method and analyte

An affirmative response to questions A, B, and C is required for "Presumptive Certainty" status

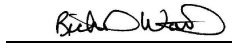
A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of Custody documentation for the data set?	Yes (X) No[1] ( )
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (X) No[1] ( )
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	Yes (X) No[1] ( ) Not Applicable ( )
D	***VPH and EPH Methods only***: Was the VPH and EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)	Yes (X) No[1] ( )

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all QC performance standards and recommendations for the specified methods achieved?	Yes (X) No[1] ( )
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes (X) No[1] ( )

[1]All NO answers must be addressed in an attached Environmental Laboratory case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:  Position: Laboratory Director

Printed Name: Richard Warila Date: 9/15/2006

ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: New England Testing Laboratory, Inc. Project #: 2401

Project Location: Kansas St. RTN[1]:

This form provides certifications for the following data set: R0831-03

Sample Matrices: Groundwater ( ) Soil/Sediment (X) Drinking Water ( ) Other:

SW-846 Methods Used					
	8260B ( )	8151A ( )	8330 ( )	6010B (X)	7470A/1A (X)
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )
	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	Other: ( )

1 List Release Tracking Number (RTN), if known
2 M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S – SW-846 Methods 7000 Series List individual method and analyte

An affirmative response to questions A, B, and C is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of Custody documentation for the data set?	Yes (X) No[1] ( )
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (X) No[1] ( )
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	Yes (X) No[1] ( ) Not Applicable ( )
D	***VPH and EPH Methods only***: Was the VPH and EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)	Yes ( ) No[1] ( )

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all QC performance standards and recommendations for the specified methods achieved?	Yes (X) No[1] ( )
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes (X) No[1] ( )

[1]All NO answers must be addressed in an attached Environmental Laboratory case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Jodi Lyons Position: Director, Inorganics

Printed Name: Jodi Lyons Date: 09/11/2006

STATEMENTS/CERTIFICATIONS REQUIRED BY THE NATIONAL ENVIRONMENTAL LABORATORY APPROVAL CONFERENCE (NELAC)

New England Testing Laboratory is certified under the National Environmental Laboratory Approval Program (NELAP). This certification requires the following statements and certifications be included in our report.

This report shall not be reproduced, except in full, without written approval of the laboratory.

New England Testing certifies that the test results contained within this report meet all NELAC requirements except as detailed in the Case Narrative section of this report.

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on August 31, 2006. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. The case number for this sample submission is R0831-03.

Custody records are included in this report.

Site: Kansas St.
COC #2401

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
SS-1	8/29/06	Soil	Table II, III
SS-2	8/29/06	Soil	Table II, III
SS-3	8/29/06	Soil	Table II, III
SS-4	8/29/06	Soil	Table II, III
SS-5	8/29/06	Soil	Table II, III
SS-6	8/29/06	Soil	Table II, III
SS-7	8/29/06	Soil	Table II, III
SS-8	8/29/06	Soil	Table II, III
SS-9	8/29/06	Soil	Table II, III
SS-9 MS	8/29/06	Soil	Table III
SS-9 MSD	8/29/06	Soil	Table III
SS-10	8/29/06	Soil	Table II

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Volatile Organic Compounds	5035	8260B
EPH	NA	*
VPH	NA	**

Table III, Analysis and Methods

Total Metals		
Arsenic	3050B	6010B
Barium	3050B	6010B
Cadmium	3050B	6010B
Chromium	3050B	6010B
Lead	3050B	6010B
Mercury	NA	7471A
Selenium	3050B	6010B
Silver	3050B	6010B

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd ed., USEPA.

**Method for the Determination of Volatile Petroleum Hydrocarbons (VPH), MADEP.

*Method for the Determination of Extractable Petroleum Hydrocarbons (EPH), MADEP.

CASE NARRATIVE:

Sample Receipt:

No sample for duplicate analysis was supplied. No trip blank or field blank was supplied. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits.)

The samples were all appropriately cooled and preserved upon receipt.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

Metals:

All analyses were performed according to NETLAB's documented Standard Operating Procedures, within all required holding times, and with appropriate quality control measures. All QC was within laboratory established acceptance criteria. The samples were received, processed, and reported with no anomalies, except stated below.

A marginal concentration of lead was detected in the soil method blank. The concentration of lead was at the reporting limit. This has no significance on the usefulness of the sample result, which was found to be considerably greater than the blank contamination.

The samples exhibited non-homogeneity, as well as high intrinsic concentrations of metals. This had a significant effect on the recoveries of the matrix-spiked samples and duplicates.

Volatile Organics:

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

VPH:

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria, except where stated below, with the following exception:

Sample "SS-2" was initially analyzed on 9/12/06, and had surrogate recoveries which were below QC limits on both the FID and PID channels. The sample was reanalyzed on 9/14/06 and 9/15/06; for each analysis, the surrogate recoveries continued to remain below QC limits. This problem is likely due to interferences caused by the sample matrix.

EPH:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria, with the following exceptions:

The samples "SS-4" and "SS-8" contained high concentrations of petroleum hydrocarbons and were analyzed at a dilution. As a result, the surrogates were diluted out.

The contaminated profile of sample "SS-6" prevented the calculation of the surrogate 2-Bromonaphthalene. This profile masked the surrogate and as a result, the recovery was reported as "obscured".

Sample Results

METALS RESULTS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Metals Analysis Department certifies that the results included in this section have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

New England Testing Laboratory, Inc.

METALS RESULTS

Case Number:	R0831-03
Sample ID:	SS-1
Date collected:	8/29/06
Matrix	SOIL
Solids, %	90.05
Sample Type:	Total

Analyst AR/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	16	0.72	0.72	mg/kg	9/5/06	9/8/06
Barium	7440-39-3	3050B	6010B	367	0.36	0.36	mg/kg	9/5/06	9/8/06
Cadmium	7440-43-9	3050B	6010B	1	0.36	0.36	mg/kg	9/5/06	9/8/06
Chromium	7440-47-3	3050B	6010B	19	0.36	0.36	mg/kg	9/5/06	9/8/06
Lead	7439-92-1	3050B	6010B	63	0.36	0.36	mg/kg	9/5/06	9/8/06
Mercury	7439-97-6	NA	7471A	0.096	0.073	0.073	mg/kg	9/5/06	9/5/06
Selenium	7782-49-2	3050B	6010B	ND	0.72	0.72	mg/kg	9/5/06	9/8/06
Silver	7440-22-4	3050B	6010B	ND	0.36	0.36	mg/kg	9/5/06	9/8/06

ND indicates not Detected

All results are reported on a dry weight basis.

Case Number:	R0831-03
Sample ID:	SS-2
Date collected:	8/29/06
Matrix	SOIL
Solids, %	80.86
Sample Type:	Total

Analyst AR/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	18	0.82	0.82	mg/kg	9/5/06	9/8/06
Barium	7440-39-3	3050B	6010B	77	0.41	0.41	mg/kg	9/5/06	9/8/06
Cadmium	7440-43-9	3050B	6010B	1.48	0.41	0.41	mg/kg	9/5/06	9/8/06
Chromium	7440-47-3	3050B	6010B	32	0.41	0.41	mg/kg	9/5/06	9/8/06
Lead	7439-92-1	3050B	6010B	170	0.41	0.41	mg/kg	9/5/06	9/8/06
Mercury	7439-97-6	NA	7471A	0.190	0.080	0.080	mg/kg	9/5/06	9/5/06
Selenium	7782-49-2	3050B	6010B	ND	0.82	0.82	mg/kg	9/5/06	9/8/06
Silver	7440-22-4	3050B	6010B	ND	0.41	0.41	mg/kg	9/5/06	9/8/06

ND indicates not Detected

All results are reported on a dry weight basis.

Case Number:	R0831-03
Sample ID:	SS-3
Date collected:	8/29/06
Matrix	SOIL
Solids, %	81.74
Sample Type:	Total

Analyst AR/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	18	0.81	0.81	mg/kg	9/5/06	9/8/06
Barium	7440-39-3	3050B	6010B	112	0.41	0.41	mg/kg	9/5/06	9/8/06
Cadmium	7440-43-9	3050B	6010B	12	0.41	0.41	mg/kg	9/5/06	9/8/06
Chromium	7440-47-3	3050B	6010B	34	0.41	0.41	mg/kg	9/5/06	9/8/06
Lead	7439-92-1	3050B	6010B	6570	8.10	0.41	mg/kg	9/5/06	9/8/06
Mercury	7439-97-6	NA	7471A	0.537	0.082	0.082	mg/kg	9/5/06	9/5/06
Selenium	7782-49-2	3050B	6010B	1.70	0.81	0.81	mg/kg	9/5/06	9/8/06
Silver	7440-22-4	3050B	6010B	0.41	0.41	0.41	mg/kg	9/5/06	9/8/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number:	R0831-03
Sample ID:	SS-4
Date collected:	8/29/06
Matrix	SOIL
Solids, %	81.29
Sample Type:	Total

Analyst AR/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	19	0.79	0.79	mg/kg	9/5/06	9/8/06
Barium	7440-39-3	3050B	6010B	136	0.40	0.40	mg/kg	9/5/06	9/8/06
Cadmium	7440-43-9	3050B	6010B	8.02	0.40	0.40	mg/kg	9/5/06	9/8/06
Chromium	7440-47-3	3050B	6010B	59	0.40	0.40	mg/kg	9/5/06	9/8/06
Lead	7439-92-1	3050B	6010B	5850	7.94	0.40	mg/kg	9/5/06	9/8/06
Mercury	7439-97-6	NA	7471A	0.132	0.078	0.078	mg/kg	9/5/06	9/5/06
Selenium	7782-49-2	3050B	6010B	3.49	0.79	0.79	mg/kg	9/5/06	9/8/06
Silver	7440-22-4	3050B	6010B	0.71	0.40	0.40	mg/kg	9/5/06	9/8/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number:	R0831-03
Sample ID:	SS-5
Date collected:	8/29/06
Matrix	SOIL
Solids, %	85.38
Sample Type:	Total

Analyst AR/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	21	0.78	0.78	mg/kg	9/5/06	9/8/06
Barium	7440-39-3	3050B	6010B	127	0.39	0.39	mg/kg	9/5/06	9/8/06
Cadmium	7440-43-9	3050B	6010B	29	0.39	0.39	mg/kg	9/5/06	9/8/06
Chromium	7440-47-3	3050B	6010B	266	0.39	0.39	mg/kg	9/5/06	9/8/06
Lead	7439-92-1	3050B	6010B	3280	3.90	0.39	mg/kg	9/5/06	9/8/06
Mercury	7439-97-6	NA	7471A	0.094	0.075	0.075	mg/kg	9/5/06	9/5/06
Selenium	7782-49-2	3050B	6010B	0.78	0.78	0.78	mg/kg	9/5/06	9/8/06
Silver	7440-22-4	3050B	6010B	0.55	0.39	0.39	mg/kg	9/5/06	9/8/06

ND indicates not Detected

All results are reported on a dry weight basis.

Case Number:	R0831-03
Sample ID:	SS-6
Date collected:	8/29/06
Matrix	SOIL
Solids, %	85.39
Sample Type:	Total

Analyst AR/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	14	0.78	0.78	mg/kg	9/5/06	9/8/06
Barium	7440-39-3	3050B	6010B	30	0.39	0.39	mg/kg	9/5/06	9/8/06
Cadmium	7440-43-9	3050B	6010B	1.41	0.39	0.39	mg/kg	9/5/06	9/8/06
Chromium	7440-47-3	3050B	6010B	18	0.39	0.39	mg/kg	9/5/06	9/8/06
Lead	7439-92-1	3050B	6010B	58	0.39	0.39	mg/kg	9/5/06	9/8/06
Mercury	7439-97-6	NA	7471A	0.089	0.078	0.078	mg/kg	9/5/06	9/5/06
Selenium	7782-49-2	3050B	6010B	ND	0.78	0.78	mg/kg	9/5/06	9/8/06
Silver	7440-22-4	3050B	6010B	ND	0.39	0.39	mg/kg	9/5/06	9/8/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number:	R0831-03
Sample ID:	SS-7
Date collected:	8/29/06
Matrix	SOIL
Solids, %	88.89
Sample Type:	Total

Analyst AR/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	17	0.74	0.74	mg/kg	9/5/06	9/8/06
Barium	7440-39-3	3050B	6010B	254	0.37	0.37	mg/kg	9/5/06	9/8/06
Cadmium	7440-43-9	3050B	6010B	15	0.37	0.37	mg/kg	9/5/06	9/8/06
Chromium	7440-47-3	3050B	6010B	166	0.37	0.37	mg/kg	9/5/06	9/8/06
Lead	7439-92-1	3050B	6010B	2600	3.70	0.37	mg/kg	9/5/06	9/8/06
Mercury	7439-97-6	NA	7471A	3.07	0.750	0.075	mg/kg	9/6/06	9/6/06
Selenium	7782-49-2	3050B	6010B	ND	0.74	0.74	mg/kg	9/5/06	9/8/06
Silver	7440-22-4	3050B	6010B	2	0.37	0.37	mg/kg	9/5/06	9/8/06

ND indicates not Detected

All results are reported on a dry weight basis.

Case Number:	R0831-03
Sample ID:	SS-8
Date collected:	8/29/06
Matrix	SOIL
Solids, %	81.43
Sample Type:	Total

Analyst AR/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	22	0.81	0.81	mg/kg	9/5/06	9/8/06
Barium	7440-39-3	3050B	6010B	189	0.40	0.40	mg/kg	9/5/06	9/8/06
Cadmium	7440-43-9	3050B	6010B	19	0.40	0.40	mg/kg	9/5/06	9/8/06
Chromium	7440-47-3	3050B	6010B	227	0.40	0.40	mg/kg	9/5/06	9/8/06
Lead	7439-92-1	3050B	6010B	4190	4.04	0.40	mg/kg	9/5/06	9/8/06
Mercury	7439-97-6	NA	7471A	0.346	0.080	0.080	mg/kg	9/5/06	9/5/06
Selenium	7782-49-2	3050B	6010B	ND	0.81	0.81	mg/kg	9/5/06	9/8/06
Silver	7440-22-4	3050B	6010B	0.65	0.40	0.40	mg/kg	9/5/06	9/8/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number:	R0831-03
Sample ID:	SS-9
Date collected:	8/29/06
Matrix	SOIL
Solids, %	85.87
Sample Type:	Total

Analyst AR/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	20	0.74	0.74	mg/kg	9/5/06	9/8/06
Barium	7440-39-3	3050B	6010B	474	0.37	0.37	mg/kg	9/5/06	9/8/06
Cadmium	7440-43-9	3050B	6010B	25	0.37	0.37	mg/kg	9/5/06	9/8/06
Chromium	7440-47-3	3050B	6010B	196	0.37	0.37	mg/kg	9/5/06	9/8/06
Lead	7439-92-1	3050B	6010B	59300	37	0.37	mg/kg	9/5/06	9/8/06
Mercury	7439-97-6	NA	7471A	1.72	0.373	0.075	mg/kg	9/6/06	9/6/06
Selenium	7782-49-2	3050B	6010B	ND	0.74	0.74	mg/kg	9/5/06	9/8/06
Silver	7440-22-4	3050B	6010B	32	0.37	0.37	mg/kg	9/5/06	9/8/06

ND indicates not Detected

All results are reported on a dry weight basis.

Case Number:	R0831-03
Sample ID:	SS-9 MS
Date collected:	8/29/06
Matrix	SOIL
Solids, %	84.36
Sample Type:	Total

Analyst AR/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	82	0.76	0.76	mg/kg	9/5/06	9/8/06
Barium	7440-39-3	3050B	6010B	425	0.38	0.38	mg/kg	9/5/06	9/8/06
Cadmium	7440-43-9	3050B	6010B	91	0.38	0.38	mg/kg	9/5/06	9/8/06
Chromium	7440-47-3	3050B	6010B	316	0.38	0.38	mg/kg	9/5/06	9/8/06
Lead	7439-92-1	3050B	6010B	88000	38	0.38	mg/kg	9/5/06	9/8/06
Mercury	7439-97-6	NA	7471A	1.76	0.380	0.076	mg/kg	9/6/06	9/6/06
Selenium	7782-49-2	3050B	6010B	66	0.76	0.76	mg/kg	9/5/06	9/8/06
Silver	7440-22-4	3050B	6010B	75	0.38	0.38	mg/kg	9/5/06	9/8/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number:	R0831-03
Sample ID:	SS-9 MSD
Date collected:	8/29/06
Matrix	SOIL
Solids, %	84.39
Sample Type:	Total

Analyst AR/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	83	0.76	0.76	mg/kg	9/5/06	9/8/06
Barium	7440-39-3	3050B	6010B	438	0.38	0.38	mg/kg	9/5/06	9/8/06
Cadmium	7440-43-9	3050B	6010B	99	0.38	0.38	mg/kg	9/5/06	9/8/06
Chromium	7440-47-3	3050B	6010B	421	0.38	0.38	mg/kg	9/5/06	9/8/06
Lead	7439-92-1	3050B	6010B	85700	38	0.38	mg/kg	9/5/06	9/8/06
Mercury	7439-97-6	NA	7471A	1.59	0.380	0.076	mg/kg	9/6/06	9/6/06
Selenium	7782-49-2	3050B	6010B	66	0.76	0.76	mg/kg	9/5/06	9/8/06
Silver	7440-22-4	3050B	6010B	79	0.38	0.38	mg/kg	9/5/06	9/8/06

ND indicates not Detected

All results are reported on a dry weight basis.

Sample ID: Preparation Blank
Matrix SOIL
Solids, % 100
Sample Type: Total

Analyst AR/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	ND	0.67	0.67	mg/kg	9/5/06	9/8/06
Barium	7440-39-3	3050B	6010B	ND	0.33	0.33	mg/kg	9/5/06	9/8/06
Cadmium	7440-43-9	3050B	6010B	ND	0.33	0.33	mg/kg	9/5/06	9/8/06
Chromium	7440-47-3	3050B	6010B	ND	0.33	0.33	mg/kg	9/5/06	9/8/06
Lead	7439-92-1	3050B	6010B	0.33	0.33	0.33	mg/kg	9/5/06	9/8/06
Mercury	7439-97-6	NA	7471A	ND	0.067	0.067	mg/kg	9/5/06	9/5/06
Mercury	7439-97-6	NA	7471A	ND	0.067	0.067	mg/kg	9/6/06	9/6/06
Selenium	7782-49-2	3050B	6010B	ND	0.67	0.67	mg/kg	9/5/06	9/8/06
Silver	7440-22-4	3050B	6010B	ND	0.33	0.33	mg/kg	9/5/06	9/8/06

ND indicates not Detected

All results are reported on a dry weight basis.

LABORATORY CONTROL SAMPLE RECOVERY

Parameter	True Value	Result	Units	Recovery, %	Internal LCL, %	UCL, %	Date Analyzed
Arsenic	66.7	64.2	mg/kg	96.3	83	123	9/8/06
Barium	66.7	68	mg/kg	102	81	111	9/8/06
Cadmium	66.7	67.3	mg/kg	101	90	109	9/8/06
Chromium	66.7	64.7	mg/kg	97.1	86	109	9/8/06
Lead	66.7	66	mg/kg	99	89	108	9/8/06
Mercury	0.133	0.131	mg/kg	98	88	113	9/5/06
Mercury	0.133	0.129	mg/kg	97	88	113	9/6/06
Selenium	66.7	63.4	mg/kg	95.1	81	107	9/8/06
Silver	66.7	64.8	mg/kg	97.2	72	123	9/8/06

MATRIX SPIKE RESULTS

Sample: R0831-03 SS-9

Parameter	Sample Value	MS Fortification	MS Spike Result	Recovery, %	MSD Fortification	MSD Spike Result	Recovery, %	Units	RPD, %	Limit
Arsenic	20	76.5	81.8	80.8	76.4	82.6	81.9	mg/l	1.42	**20**
Barium	474	76.5	425	NA	76.4	438	NA	mg/l	NA	**20**
Cadmium	25.2	76.5	91	86	76.4	98.6	96.1	mg/l	11	**20**
Chromium	196	76.5	316	157	76.4	421	295	mg/l	61	**20**
Lead	59300	76.5	88000	NA	76.4	85700	NA	mg/l	NA	**20**
Mercury	1.72	0.304	1.76	NA	0.3	1.59	NA	mg/l	NA	**20**
Selenium	0	76.5	65.7	85.9	76.4	66	86.4	mg/l	0.59	**20**
Silver	32	76.5	75.4	56.7	76.4	78.7	61.1	mg/l	7.46	**20**

Note: A spike recovery is not reported when the original sample concentration is significantly above the fortification amount.

Comments:
The above note applies to barium, lead, and mercury.

RESULTS: VOLATILE ORGANIC COMPOUNDS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0831-03
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 12.5 (g/ml) G
% Moisture 9.95
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: SS-1
Lab File ID: C091110.D
Date Sampled: 8/29/2006
Date Analyzed: 9/11/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
75-01-4	Vinyl Chloride	45	U
74-83-9	Bromomethane	45	U
75-00-3	Chloroethane	45	U
67-64-1	Acetone	220	U
75-35-4	1,1-Dichloroethene	45	U
75-15-0	Carbon Disulfide	220	U
75-09-2	Methylene Chloride	450	U
1634-04-4	tert-Butyl methyl ether	45	U
156-60-5	trans-1,2 Dichloroethene	45	U
75-34-3	1,1-Dichloroethane	45	U
78-93-3	2-Butanone	220	U
594-20-7	2,2-Dichloropropane	45	U
156-59-2	cis-1,2-Dichloroethene	45	U
67-66-3	Chloroform	45	U
74-97-5	Bromochloromethane	45	U
71-55-6	1,1,1-Trichloroethane	45	U
563-58-6	1,1-Dichloropropene	45	U
56-23-5	Carbon Tetrachloride	45	U
71-43-2	Benzene	45	U
107-06-2	1,2-Dichloroethane	45	U
79-01-6	Trichloroethene	45	U
78-87-5	1,2-Dichloropropane	45	U
75-27-4	Bromodichloromethane	45	U
74-95-3	Dibromomethane	45	U
108-10-1	4-Methyl-2-pentanone	220	U
106-93-4	Ethylene Dibromide	45	U
10061-01-5	cis-1,3-Dichloropropene	45	U
108-88-3	Toluene	45	U
10061-02-6	Trans-1,3-Dichloropropene	45	U
79-00-5	1,1,2-Trichloroethane	45	U
591-78-6	2-Hexanone	220	U
127-18-4	Tetrachloroethene	45	U
124-48-1	Chlorodibromomethane	45	U
108-90-7	Chlorobenzene	220	U
630-20-6	1,1,1,2-Tetrachloroethane	45	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0831-03
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 12.5 (g/ml) G
% Moisture 9.95
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: SS-1
Lab File ID: C091110.D
Date Sampled: 8/29/2006
Date Analyzed: 9/11/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
100-41-4	Ethylbenzene	45	U
1330-20-7	m & p-Xylene	89	U
95-47-6	o-Xylene	45	U
100-42-5	Styrene	45	U
75-25-2	Bromoform	45	U
98-82-8	Isopropylbenzene	45	U
79-34-5	1,1,2,2-Tetrachloroethane	45	U
108-86-1	Bromobenzene	45	U
96-18-4	1,2,3-Trichloropropane	45	U
103-65-1	n-Propylbenzene	45	U
95-49-8	2-Chlorotoluene	45	U
108-67-8	1,3,5-Trimethylbenzene	45	U
106-43-4	4-Chlorotoluene	45	U
98-06-6	tert-Butylbenzene	45	U
95-63-6	1,2,4-Trimethylbenzene	45	U
135-98-8	sec-Butylbenzene	45	U
99-87-6	p-Isopropyltoluene	45	U
75-87-3	Chloromethane	45	U
541-73-1	1,3-Dichlorobenzene	45	U
75-65-0	tert butyl alcohol	220	U
109-99-9	Tetrahydrofuran	220	U
106-46-7	1,4-Dichlorobenzene	45	U
104-51-8	n-Butylbenzene	45	U
60-29-7	Diethyl Ether	220	U
95-50-1	1,2-Dichlorobenzene	45	U
96-12-8	1,2-Dibromo-3-chloropropane	89	U
120-82-1	1,2,4-Trichlorobenzene	45	U
87-68-3	Hexachlorobutadiene	45	U
91-20-3	Naphthalene	45	U
87-61-6	1,2,3-Trichlorobenzene	45	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0831-03
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 8.6 (g/ml) G
% Moisture 19.14
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: SS-2
Lab File ID: C091111.D
Date Sampled: 8/29/2006
Date Analyzed: 9/11/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
75-01-4	Vinyl Chloride	72	U
74-83-9	Bromomethane	72	U
75-00-3	Chloroethane	72	U
67-64-1	Acetone	360	U
75-35-4	1,1-Dichloroethene	72	U
75-15-0	Carbon Disulfide	360	U
75-09-2	Methylene Chloride	720	U
1634-04-4	tert-Butyl methyl ether	72	U
156-60-5	trans-1,2 Dichloroethene	72	U
75-34-3	1,1-Dichloroethane	72	U
78-93-3	2-Butanone	360	U
594-20-7	2,2-Dichloropropane	72	U
156-59-2	cis-1,2-Dichloroethene	72	U
67-66-3	Chloroform	72	U
74-97-5	Bromochloromethane	72	U
71-55-6	1,1,1-Trichloroethane	72	U
563-58-6	1,1-Dichloropropene	72	U
56-23-5	Carbon Tetrachloride	72	U
71-43-2	Benzene	72	U
107-06-2	1,2-Dichloroethane	72	U
79-01-6	Trichloroethene	110000	E
78-87-5	1,2-Dichloropropane	72	U
75-27-4	Bromodichloromethane	72	U
74-95-3	Dibromomethane	72	U
108-10-1	4-Methyl-2-pentanone	360	U
106-93-4	Ethylene Dibromide	72	U
10061-01-5	cis-1,3-Dichloropropene	72	U
108-88-3	Toluene	72	U
10061-02-6	Trans-1,3-Dichloropropene	72	U
79-00-5	1,1,2-Trichloroethane	72	U
591-78-6	2-Hexanone	360	U
127-18-4	Tetrachloroethene	1000	
124-48-1	Chlorodibromomethane	72	U
108-90-7	Chlorobenzene	360	U
630-20-6	1,1,1,2-Tetrachloroethane	72	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0831-03
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 8.6 (g/ml) G
% Moisture 19.14
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: SS-2
Lab File ID: C091111.D
Date Sampled: 8/29/2006
Date Analyzed: 9/11/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
100-41-4	Ethylbenzene	72	U
1330-20-7	m & p-Xylene	140	U
95-47-6	o-Xylene	72	U
100-42-5	Styrene	72	U
75-25-2	Bromoform	72	U
98-82-8	Isopropylbenzene	72	U
79-34-5	1,1,2,2-Tetrachloroethane	72	U
108-86-1	Bromobenzene	72	U
96-18-4	1,2,3-Trichloropropane	72	U
103-65-1	n-Propylbenzene	72	U
95-49-8	2-Chlorotoluene	72	U
108-67-8	1,3,5-Trimethylbenzene	72	U
106-43-4	4-Chlorotoluene	72	U
98-06-6	tert-Butylbenzene	72	U
95-63-6	1,2,4-Trimethylbenzene	72	U
135-98-8	sec-Butylbenzene	72	U
99-87-6	p-Isopropyltoluene	72	U
75-87-3	Chloromethane	72	U
541-73-1	1,3-Dichlorobenzene	72	U
75-65-0	tert butyl alcohol	360	U
109-99-9	Tetrahydrofuran	360	U
106-46-7	1,4-Dichlorobenzene	72	U
104-51-8	n-Butylbenzene	72	U
60-29-7	Diethyl Ether	360	U
95-50-1	1,2-Dichlorobenzene	72	U
96-12-8	1,2-Dibromo-3-chloropropane	140	U
120-82-1	1,2,4-Trichlorobenzene	72	U
87-68-3	Hexachlorobutadiene	72	U
91-20-3	Naphthalene	72	U
87-61-6	1,2,3-Trichlorobenzene	72	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0831-03
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 8.6 (g/ml) G
% Moisture 19.14
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: SS-2.dl
Lab File ID: C091211.D
Date Sampled: 8/29/2006
Date Analyzed: 9/12/2006
Dilution Factor: 20.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
75-01-4	Vinyl Chloride	1400	U
74-83-9	Bromomethane	1400	U
75-00-3	Chloroethane	1400	U
67-64-1	Acetone	7200	U
75-35-4	1,1-Dichloroethene	1400	U
75-15-0	Carbon Disulfide	7200	U
75-09-2	Methylene Chloride	14000	U
1634-04-4	tert-Butyl methyl ether	1400	U
156-60-5	trans-1,2 Dichloroethene	1400	U
75-34-3	1,1-Dichloroethane	1400	U
78-93-3	2-Butanone	7200	U
594-20-7	2,2-Dichloropropane	1400	U
156-59-2	cis-1,2-Dichloroethene	1400	U
67-66-3	Chloroform	1400	U
74-97-5	Bromochloromethane	1400	U
71-55-6	1,1,1-Trichloroethane	1400	U
563-58-6	1,1-Dichloropropene	1400	U
56-23-5	Carbon Tetrachloride	1400	U
71-43-2	Benzene	1400	U
107-06-2	1,2-Dichloroethane	1400	U
79-01-6	Trichloroethene	99000	D
78-87-5	1,2-Dichloropropane	1400	U
75-27-4	Bromodichloromethane	1400	U
74-95-3	Dibromomethane	1400	U
108-10-1	4-Methyl-2-pentanone	7200	U
106-93-4	Ethylene Dibromide	1400	U
10061-01-5	cis-1,3-Dichloropropene	1400	U
108-88-3	Toluene	1400	U
10061-02-6	Trans-1,3-Dichloropropene	1400	U
79-00-5	1,1,2-Trichloroethane	1400	U
591-78-6	2-Hexanone	7200	U
127-18-4	Tetrachloroethene	1400	U
124-48-1	Chlorodibromomethane	1400	U
108-90-7	Chlorobenzene	7200	U
630-20-6	1,1,1,2-Tetrachloroethane	1400	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0831-03
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 8.6 (g/ml) G
% Moisture 19.14
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: SS-2.dl
Lab File ID: C091211.D
Date Sampled: 8/29/2006
Date Analyzed: 9/12/2006
Dilution Factor: 20.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
100-41-4	Ethylbenzene	1400	U
1330-20-7	m & p-Xylene	2900	U
95-47-6	o-Xylene	1400	U
100-42-5	Styrene	1400	U
75-25-2	Bromoform	1400	U
98-82-8	Isopropylbenzene	1400	U
79-34-5	1,1,2,2-Tetrachloroethane	1400	U
108-86-1	Bromobenzene	1400	U
96-18-4	1,2,3-Trichloropropane	1400	U
103-65-1	n-Propylbenzene	1400	U
95-49-8	2-Chlorotoluene	1400	U
108-67-8	1,3,5-Trimethylbenzene	1400	U
106-43-4	4-Chlorotoluene	1400	U
98-06-6	tert-Butylbenzene	1400	U
95-63-6	1,2,4-Trimethylbenzene	1400	U
135-98-8	sec-Butylbenzene	1400	U
99-87-6	p-Isopropyltoluene	1400	U
75-87-3	Chloromethane	1400	U
541-73-1	1,3-Dichlorobenzene	1400	U
75-65-0	tert butyl alcohol	7200	U
109-99-9	Tetrahydrofuran	7200	U
106-46-7	1,4-Dichlorobenzene	1400	U
104-51-8	n-Butylbenzene	1400	U
60-29-7	Diethyl Ether	7200	U
95-50-1	1,2-Dichlorobenzene	1400	U
96-12-8	1,2-Dibromo-3-chloropropane	2900	U
120-82-1	1,2,4-Trichlorobenzene	1400	U
87-68-3	Hexachlorobutadiene	1400	U
91-20-3	Naphthalene	1400	U
87-61-6	1,2,3-Trichlorobenzene	1400	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0831-03
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 10.1 (g/ml) G
% Moisture 18.26
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: SS-3
Lab File ID: C091208.D
Date Sampled: 8/29/2006
Date Analyzed: 9/12/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
75-01-4	Vinyl Chloride	60	U
74-83-9	Bromomethane	60	U
75-00-3	Chloroethane	60	U
67-64-1	Acetone	570	
75-35-4	1,1-Dichloroethene	60	U
75-15-0	Carbon Disulfide	300	U
75-09-2	Methylene Chloride	600	U
1634-04-4	tert-Butyl methyl ether	60	U
156-60-5	trans-1,2 Dichloroethene	60	U
75-34-3	1,1-Dichloroethane	60	U
78-93-3	2-Butanone	300	U
594-20-7	2,2-Dichloropropane	60	U
156-59-2	cis-1,2-Dichloroethene	73	
67-66-3	Chloroform	60	U
74-97-5	Bromochloromethane	60	U
71-55-6	1,1,1-Trichloroethane	60	U
563-58-6	1,1-Dichloropropene	60	U
56-23-5	Carbon Tetrachloride	60	U
71-43-2	Benzene	99	
107-06-2	1,2-Dichloroethane	60	U
79-01-6	Trichloroethene	170	
78-87-5	1,2-Dichloropropane	60	U
75-27-4	Bromodichloromethane	60	U
74-95-3	Dibromomethane	60	U
108-10-1	4-Methyl-2-pentanone	300	U
106-93-4	Ethylene Dibromide	60	U
10061-01-5	cis-1,3-Dichloropropene	60	U
108-88-3	Toluene	110	
10061-02-6	Trans-1,3-Dichloropropene	60	U
79-00-5	1,1,2-Trichloroethane	60	U
591-78-6	2-Hexanone	300	U
127-18-4	Tetrachloroethene	60	U
124-48-1	Chlorodibromomethane	60	U
108-90-7	Chlorobenzene	300	U
630-20-6	1,1,1,2-Tetrachloroethane	60	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0831-03
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 10.1 (g/ml) G
% Moisture 18.26
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: SS-3
Lab File ID: C091208.D
Date Sampled: 8/29/2006
Date Analyzed: 9/12/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
100-41-4	Ethylbenzene	60	U
1330-20-7	m & p-Xylene	120	
95-47-6	o-Xylene	170	
100-42-5	Styrene	60	U
75-25-2	Bromoform	60	U
98-82-8	Isopropylbenzene	60	U
79-34-5	1,1,2,2-Tetrachloroethane	60	U
108-86-1	Bromobenzene	60	U
96-18-4	1,2,3-Trichloropropane	60	U
103-65-1	n-Propylbenzene	60	U
95-49-8	2-Chlorotoluene	60	U
108-67-8	1,3,5-Trimethylbenzene	60	U
106-43-4	4-Chlorotoluene	60	U
98-06-6	tert-Butylbenzene	60	U
95-63-6	1,2,4-Trimethylbenzene	210	
135-98-8	sec-Butylbenzene	280	
99-87-6	p-Isopropyltoluene	310	
75-87-3	Chloromethane	60	U
541-73-1	1,3-Dichlorobenzene	60	U
75-65-0	tert butyl alcohol	300	U
109-99-9	Tetrahydrofuran	300	U
106-46-7	1,4-Dichlorobenzene	60	U
104-51-8	n-Butylbenzene	60	U
60-29-7	Diethyl Ether	300	U
95-50-1	1,2-Dichlorobenzene	60	U
96-12-8	1,2-Dibromo-3-chloropropane	120	U
120-82-1	1,2,4-Trichlorobenzene	60	U
87-68-3	Hexachlorobutadiene	60	U
91-20-3	Naphthalene	160	
87-61-6	1,2,3-Trichlorobenzene	60	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0831-03
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 18.7 (g/ml) G
% Moisture 9.486
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: SS-4
Lab File ID: C091210.D
Date Sampled: 8/29/2006
Date Analyzed: 9/12/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
75-01-4	Vinyl Chloride	37	
74-83-9	Bromomethane	45	
75-00-3	Chloroethane	29	U
67-64-1	Acetone	150	U
75-35-4	1,1-Dichloroethene	29	U
75-15-0	Carbon Disulfide	150	U
75-09-2	Methylene Chloride	290	U
1634-04-4	tert-Butyl methyl ether	29	U
156-60-5	trans-1,2 Dichloroethene	81	
75-34-3	1,1-Dichloroethane	29	U
78-93-3	2-Butanone	150	U
594-20-7	2,2-Dichloropropane	29	U
156-59-2	cis-1,2-Dichloroethene	160	
67-66-3	Chloroform	29	U
74-97-5	Bromochloromethane	29	U
71-55-6	1,1,1-Trichloroethane	29	U
563-58-6	1,1-Dichloropropene	29	U
56-23-5	Carbon Tetrachloride	29	U
71-43-2	Benzene	29	U
107-06-2	1,2-Dichloroethane	29	U
79-01-6	Trichloroethene	220	
78-87-5	1,2-Dichloropropane	29	U
75-27-4	Bromodichloromethane	29	U
74-95-3	Dibromomethane	29	U
108-10-1	4-Methyl-2-pentanone	150	U
106-93-4	Ethylene Dibromide	29	U
10061-01-5	cis-1,3-Dichloropropene	29	U
108-88-3	Toluene	410	
10061-02-6	Trans-1,3-Dichloropropene	29	U
79-00-5	1,1,2-Trichloroethane	29	U
591-78-6	2-Hexanone	150	U
127-18-4	Tetrachloroethene	29	U
124-48-1	Chlorodibromomethane	29	U
108-90-7	Chlorobenzene	150	U
630-20-6	1,1,1,2-Tetrachloroethane	29	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0831-03
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 18.7 (g/ml) G
% Moisture 9.486
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: SS-4
Lab File ID: C091210.D
Date Sampled: 8/29/2006
Date Analyzed: 9/12/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
100-41-4	Ethylbenzene	3100	
1330-20-7	m & p-Xylene	6600	
95-47-6	o-Xylene	2000	
100-42-5	Styrene	29	U
75-25-2	Bromoform	29	U
98-82-8	Isopropylbenzene	180	
79-34-5	1,1,2,2-Tetrachloroethane	29	U
108-86-1	Bromobenzene	29	U
96-18-4	1,2,3-Trichloropropane	29	U
103-65-1	n-Propylbenzene	110	
95-49-8	2-Chlorotoluene	29	U
108-67-8	1,3,5-Trimethylbenzene	240	
106-43-4	4-Chlorotoluene	29	U
98-06-6	tert-Butylbenzene	29	U
95-63-6	1,2,4-Trimethylbenzene	560	
135-98-8	sec-Butylbenzene	29	U
99-87-6	p-Isopropyltoluene	200	
75-87-3	Chloromethane	29	U
541-73-1	1,3-Dichlorobenzene	29	U
75-65-0	tert butyl alcohol	150	U
109-99-9	Tetrahydrofuran	150	U
106-46-7	1,4-Dichlorobenzene	29	U
104-51-8	n-Butylbenzene	29	U
60-29-7	Diethyl Ether	150	U
95-50-1	1,2-Dichlorobenzene	29	U
96-12-8	1,2-Dibromo-3-chloropropane	59	U
120-82-1	1,2,4-Trichlorobenzene	29	U
87-68-3	Hexachlorobutadiene	29	U
91-20-3	Naphthalene	670	
87-61-6	1,2,3-Trichlorobenzene	29	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0831-03
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 6.2 (g/ml) G
% Moisture 14.62
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: SS-5
Lab File ID: C091113.D
Date Sampled: 8/29/2006
Date Analyzed: 9/11/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
75-01-4	Vinyl Chloride	95	U
74-83-9	Bromomethane	95	U
75-00-3	Chloroethane	95	U
67-64-1	Acetone	480	U
75-35-4	1,1-Dichloroethene	95	U
75-15-0	Carbon Disulfide	480	U
75-09-2	Methylene Chloride	950	U
1634-04-4	tert-Butyl methyl ether	95	U
156-60-5	trans-1,2 Dichloroethene	95	U
75-34-3	1,1-Dichloroethane	95	U
78-93-3	2-Butanone	480	U
594-20-7	2,2-Dichloropropane	95	U
156-59-2	cis-1,2-Dichloroethene	140	
67-66-3	Chloroform	95	U
74-97-5	Bromochloromethane	95	U
71-55-6	1,1,1-Trichloroethane	95	U
563-58-6	1,1-Dichloropropene	95	U
56-23-5	Carbon Tetrachloride	95	U
71-43-2	Benzene	96	
107-06-2	1,2-Dichloroethane	95	U
79-01-6	Trichloroethene	760	
78-87-5	1,2-Dichloropropane	95	U
75-27-4	Bromodichloromethane	95	U
74-95-3	Dibromomethane	95	U
108-10-1	4-Methyl-2-pentanone	480	U
106-93-4	Ethylene Dibromide	95	U
10061-01-5	cis-1,3-Dichloropropene	95	U
108-88-3	Toluene	150	
10061-02-6	Trans-1,3-Dichloropropene	95	U
79-00-5	1,1,2-Trichloroethane	95	U
591-78-6	2-Hexanone	480	U
127-18-4	Tetrachloroethene	95	U
124-48-1	Chlorodibromomethane	95	U
108-90-7	Chlorobenzene	480	U
630-20-6	1,1,1,2-Tetrachloroethane	95	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0831-03
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 6.2 (g/ml) G
% Moisture 14.62
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: SS-5
Lab File ID: C091113.D
Date Sampled: 8/29/2006
Date Analyzed: 9/11/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
100-41-4	Ethylbenzene	95	U
1330-20-7	m & p-Xylene	190	U
95-47-6	o-Xylene	95	U
100-42-5	Styrene	95	U
75-25-2	Bromoform	95	U
98-82-8	Isopropylbenzene	95	U
79-34-5	1,1,2,2-Tetrachloroethane	95	U
108-86-1	Bromobenzene	95	U
96-18-4	1,2,3-Trichloropropane	95	U
103-65-1	n-Propylbenzene	95	U
95-49-8	2-Chlorotoluene	95	U
108-67-8	1,3,5-Trimethylbenzene	95	U
106-43-4	4-Chlorotoluene	95	U
98-06-6	tert-Butylbenzene	95	U
95-63-6	1,2,4-Trimethylbenzene	95	U
135-98-8	sec-Butylbenzene	95	U
99-87-6	p-Isopropyltoluene	95	U
75-87-3	Chloromethane	95	U
541-73-1	1,3-Dichlorobenzene	95	U
75-65-0	tert butyl alcohol	480	U
109-99-9	Tetrahydrofuran	480	U
106-46-7	1,4-Dichlorobenzene	95	U
104-51-8	n-Butylbenzene	95	U
60-29-7	Diethyl Ether	480	U
95-50-1	1,2-Dichlorobenzene	95	U
96-12-8	1,2-Dibromo-3-chloropropane	190	U
120-82-1	1,2,4-Trichlorobenzene	470	
87-68-3	Hexachlorobutadiene	95	U
91-20-3	Naphthalene	190	
87-61-6	1,2,3-Trichlorobenzene	120	

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0831-03
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 11.9 (g/ml) G
% Moisture 14.61
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: SS-6
Lab File ID: C091114.D
Date Sampled: 8/29/2006
Date Analyzed: 9/11/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
75-01-4	Vinyl Chloride	49	U
74-83-9	Bromomethane	49	U
75-00-3	Chloroethane	49	U
67-64-1	Acetone	250	U
75-35-4	1,1-Dichloroethene	49	U
75-15-0	Carbon Disulfide	250	U
75-09-2	Methylene Chloride	490	U
1634-04-4	tert-Butyl methyl ether	49	U
156-60-5	trans-1,2 Dichloroethene	170	
75-34-3	1,1-Dichloroethane	49	U
78-93-3	2-Butanone	250	U
594-20-7	2,2-Dichloropropane	49	U
156-59-2	cis-1,2-Dichloroethene	160	
67-66-3	Chloroform	49	U
74-97-5	Bromochloromethane	49	U
71-55-6	1,1,1-Trichloroethane	49	U
563-58-6	1,1-Dichloropropene	49	U
56-23-5	Carbon Tetrachloride	49	U
71-43-2	Benzene	49	U
107-06-2	1,2-Dichloroethane	49	U
79-01-6	Trichloroethene	150000	E
78-87-5	1,2-Dichloropropane	49	U
75-27-4	Bromodichloromethane	49	U
74-95-3	Dibromomethane	49	U
108-10-1	4-Methyl-2-pentanone	250	U
106-93-4	Ethylene Dibromide	49	U
10061-01-5	cis-1,3-Dichloropropene	49	U
108-88-3	Toluene	66	
10061-02-6	Trans-1,3-Dichloropropene	49	U
79-00-5	1,1,2-Trichloroethane	49	U
591-78-6	2-Hexanone	250	U
127-18-4	Tetrachloroethene	3000	
124-48-1	Chlorodibromomethane	49	U
108-90-7	Chlorobenzene	250	U
630-20-6	1,1,1,2-Tetrachloroethane	49	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0831-03
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 11.9 (g/ml) G
% Moisture 14.61
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: SS-6
Lab File ID: C091114.D
Date Sampled: 8/29/2006
Date Analyzed: 9/11/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
100-41-4	Ethylbenzene	49	U
1330-20-7	m & p-Xylene	99	U
95-47-6	o-Xylene	49	U
100-42-5	Styrene	49	U
75-25-2	Bromoform	49	U
98-82-8	Isopropylbenzene	49	U
79-34-5	1,1,2,2-Tetrachloroethane	49	U
108-86-1	Bromobenzene	49	U
96-18-4	1,2,3-Trichloropropane	49	U
103-65-1	n-Propylbenzene	49	U
95-49-8	2-Chlorotoluene	49	U
108-67-8	1,3,5-Trimethylbenzene	49	U
106-43-4	4-Chlorotoluene	49	U
98-06-6	tert-Butylbenzene	49	U
95-63-6	1,2,4-Trimethylbenzene	180	
135-98-8	sec-Butylbenzene	49	U
99-87-6	p-Isopropyltoluene	49	U
75-87-3	Chloromethane	49	U
541-73-1	1,3-Dichlorobenzene	49	U
75-65-0	tert butyl alcohol	250	U
109-99-9	Tetrahydrofuran	250	U
106-46-7	1,4-Dichlorobenzene	49	U
104-51-8	n-Butylbenzene	49	U
60-29-7	Diethyl Ether	250	U
95-50-1	1,2-Dichlorobenzene	49	U
96-12-8	1,2-Dibromo-3-chloropropane	99	U
120-82-1	1,2,4-Trichlorobenzene	49	U
87-68-3	Hexachlorobutadiene	49	U
91-20-3	Naphthalene	74	
87-61-6	1,2,3-Trichlorobenzene	49	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0831-03
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 11.9 (g/ml) G
% Moisture 14.61
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: SS-6.dl
Lab File ID: C091212.D
Date Sampled: 8/29/2006
Date Analyzed: 9/12/2006
Dilution Factor: 50.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
75-01-4	Vinyl Chloride	2500	U
75-01-4	Vinyl Chloride	2500	U
74-83-9	Bromomethane	2500	U
74-83-9	Bromomethane	2500	U
75-00-3	Chloroethane	2500	U
75-00-3	Chloroethane	2500	U
67-64-1	Acetone	12000	U
67-64-1	Acetone	12000	U
75-35-4	1,1-Dichloroethene	2500	U
75-35-4	1,1-Dichloroethene	2500	U
75-15-0	Carbon Disulfide	12000	U
75-15-0	Carbon Disulfide	12000	U
75-09-2	Methylene Chloride	25000	U
75-09-2	Methylene Chloride	25000	U
1634-04-4	tert-Butyl methyl ether	2500	U
1634-04-4	tert-Butyl methyl ether	2500	U
156-60-5	trans-1,2 Dichloroethene	2500	U
156-60-5	trans-1,2 Dichloroethene	2500	U
75-34-3	1,1-Dichloroethane	2500	U
75-34-3	1,1-Dichloroethane	2500	U
78-93-3	2-Butanone	12000	U
78-93-3	2-Butanone	12000	U
594-20-7	2,2-Dichloropropane	2500	U
594-20-7	2,2-Dichloropropane	2500	U
156-59-2	cis-1,2-Dichloroethene	2500	U
156-59-2	cis-1,2-Dichloroethene	2500	U
67-66-3	Chloroform	2500	U
67-66-3	Chloroform	2500	U
74-97-5	Bromochloromethane	2500	U
74-97-5	Bromochloromethane	2500	U
71-55-6	1,1,1-Trichloroethane	2500	U
71-55-6	1,1,1-Trichloroethane	2500	U
563-58-6	1,1-Dichloropropene	2500	U
563-58-6	1,1-Dichloropropene	2500	U
56-23-5	Carbon Tetrachloride	2500	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0831-03
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 11.9 (g/ml) G
% Moisture 14.61
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: SS-6.dl
Lab File ID: C091212.D
Date Sampled: 8/29/2006
Date Analyzed: 9/12/2006
Dilution Factor: 50.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
56-23-5	Carbon Tetrachloride	2500	U
71-43-2	Benzene	2500	U
71-43-2	Benzene	2500	U
107-06-2	1,2-Dichloroethane	2500	U
107-06-2	1,2-Dichloroethane	2500	U
79-01-6	Trichloroethene	110000	D
79-01-6	Trichloroethene	110000	D
78-87-5	1,2-Dichloropropane	2500	U
78-87-5	1,2-Dichloropropane	2500	U
75-27-4	Bromodichloromethane	2500	U
75-27-4	Bromodichloromethane	2500	U
74-95-3	Dibromomethane	2500	U
74-95-3	Dibromomethane	2500	U
108-10-1	4-Methyl-2-pentanone	12000	U
108-10-1	4-Methyl-2-pentanone	12000	U
106-93-4	Ethylene Dibromide	2500	U
106-93-4	Ethylene Dibromide	2500	U
10061-01-5	cis-1,3-Dichloropropene	2500	U
10061-01-5	cis-1,3-Dichloropropene	2500	U
108-88-3	Toluene	2500	U
108-88-3	Toluene	2500	U
10061-02-6	Trans-1,3-Dichloropropene	2500	U
10061-02-6	Trans-1,3-Dichloropropene	2500	U
79-00-5	1,1,2-Trichloroethane	2500	U
79-00-5	1,1,2-Trichloroethane	2500	U
591-78-6	2-Hexanone	12000	U
591-78-6	2-Hexanone	12000	U
127-18-4	Tetrachloroethene	2800	D
127-18-4	Tetrachloroethene	3200	D
124-48-1	Chlorodibromomethane	2500	U
124-48-1	Chlorodibromomethane	2500	U
108-90-7	Chlorobenzene	12000	U
108-90-7	Chlorobenzene	12000	U
630-20-6	1,1,1,2-Tetrachloroethane	2500	U
630-20-6	1,1,1,2-Tetrachloroethane	2500	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0831-03
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 11.9 (g/ml) G
% Moisture 14.61
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: SS-6.dl
Lab File ID: C091212.D
Date Sampled: 8/29/2006
Date Analyzed: 9/12/2006
Dilution Factor: 50.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
75-01-4	Vinyl Chloride	2500	U
74-83-9	Bromomethane	2500	U
75-00-3	Chloroethane	2500	U
67-64-1	Acetone	12000	U
75-35-4	1,1-Dichloroethene	2500	U
75-15-0	Carbon Disulfide	12000	U
75-09-2	Methylene Chloride	25000	U
1634-04-4	tert-Butyl methyl ether	2500	U
156-60-5	trans-1,2 Dichloroethene	2500	U
75-34-3	1,1-Dichloroethane	2500	U
78-93-3	2-Butanone	12000	U
594-20-7	2,2-Dichloropropane	2500	U
156-59-2	cis-1,2-Dichloroethene	2500	U
67-66-3	Chloroform	2500	U
74-97-5	Bromochloromethane	2500	U
71-55-6	1,1,1-Trichloroethane	2500	U
563-58-6	1,1-Dichloropropene	2500	U
56-23-5	Carbon Tetrachloride	2500	U
71-43-2	Benzene	2500	U
107-06-2	1,2-Dichloroethane	2500	U
79-01-6	Trichloroethene	110000	D
78-87-5	1,2-Dichloropropane	2500	U
75-27-4	Bromodichloromethane	2500	U
74-95-3	Dibromomethane	2500	U
108-10-1	4-Methyl-2-pentanone	12000	U
106-93-4	Ethylene Dibromide	2500	U
10061-01-5	cis-1,3-Dichloropropene	2500	U
108-88-3	Toluene	2500	U
10061-02-6	Trans-1,3-Dichloropropene	2500	U
79-00-5	1,1,2-Trichloroethane	2500	U
591-78-6	2-Hexanone	12000	U
127-18-4	Tetrachloroethene	3100	D
124-48-1	Chlorodibromomethane	2500	U
108-90-7	Chlorobenzene	12000	U
630-20-6	1,1,1,2-Tetrachloroethane	2500	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0831-03
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 11.9 (g/ml) G
% Moisture 14.61
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: SS-6.dl
Lab File ID: C091212.D
Date Sampled: 8/29/2006
Date Analyzed: 9/12/2006
Dilution Factor: 50.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
100-41-4	Ethylbenzene	2500	U
1330-20-7	m & p-Xylene	4900	U
95-47-6	o-Xylene	2500	U
100-42-5	Styrene	2500	U
75-25-2	Bromoform	2500	U
98-82-8	Isopropylbenzene	2500	U
79-34-5	1,1,2,2-Tetrachloroethane	2500	U
108-86-1	Bromobenzene	2500	U
96-18-4	1,2,3-Trichloropropane	2500	U
103-65-1	n-Propylbenzene	2500	U
95-49-8	2-Chlorotoluene	2500	U
108-67-8	1,3,5-Trimethylbenzene	2500	U
106-43-4	4-Chlorotoluene	2500	U
98-06-6	tert-Butylbenzene	2500	U
95-63-6	1,2,4-Trimethylbenzene	2500	U
135-98-8	sec-Butylbenzene	2500	U
99-87-6	p-Isopropyltoluene	2500	U
75-87-3	Chloromethane	2500	U
541-73-1	1,3-Dichlorobenzene	2500	U
75-65-0	tert butyl alcohol	12000	U
109-99-9	Tetrahydrofuran	12000	U
106-46-7	1,4-Dichlorobenzene	2500	U
104-51-8	n-Butylbenzene	2500	U
60-29-7	Diethyl Ether	12000	U
95-50-1	1,2-Dichlorobenzene	2500	U
96-12-8	1,2-Dibromo-3-chloropropane	4900	U
120-82-1	1,2,4-Trichlorobenzene	2500	U
87-68-3	Hexachlorobutadiene	2500	U
91-20-3	Naphthalene	2500	U
87-61-6	1,2,3-Trichlorobenzene	2500	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0831-03
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 10.7 (g/ml) G
% Moisture 11.11
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: SS-7
Lab File ID: C091209.D
Date Sampled: 8/29/2006
Date Analyzed: 9/12/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
75-01-4	Vinyl Chloride	70	
74-83-9	Bromomethane	53	U
75-00-3	Chloroethane	53	U
67-64-1	Acetone	260	U
75-35-4	1,1-Dichloroethene	53	U
75-15-0	Carbon Disulfide	260	U
75-09-2	Methylene Chloride	530	U
1634-04-4	tert-Butyl methyl ether	53	U
156-60-5	trans-1,2 Dichloroethene	150	
75-34-3	1,1-Dichloroethane	53	U
78-93-3	2-Butanone	260	U
594-20-7	2,2-Dichloropropane	53	U
156-59-2	cis-1,2-Dichloroethene	1700	
67-66-3	Chloroform	53	U
74-97-5	Bromochloromethane	53	U
71-55-6	1,1,1-Trichloroethane	53	U
563-58-6	1,1-Dichloropropene	53	U
56-23-5	Carbon Tetrachloride	53	U
71-43-2	Benzene	53	U
107-06-2	1,2-Dichloroethane	53	U
79-01-6	Trichloroethene	210	
78-87-5	1,2-Dichloropropane	53	U
75-27-4	Bromodichloromethane	53	U
74-95-3	Dibromomethane	53	U
108-10-1	4-Methyl-2-pentanone	260	U
106-93-4	Ethylene Dibromide	53	U
10061-01-5	cis-1,3-Dichloropropene	53	U
108-88-3	Toluene	53	U
10061-02-6	Trans-1,3-Dichloropropene	53	U
79-00-5	1,1,2-Trichloroethane	53	U
591-78-6	2-Hexanone	260	U
127-18-4	Tetrachloroethene	53	U
124-48-1	Chlorodibromomethane	53	U
108-90-7	Chlorobenzene	260	U
630-20-6	1,1,1,2-Tetrachloroethane	53	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0831-03
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 10.7 (g/ml) G
% Moisture 11.11
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: SS-7
Lab File ID: C091209.D
Date Sampled: 8/29/2006
Date Analyzed: 9/12/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
100-41-4	Ethylbenzene	53	U
1330-20-7	m & p-Xylene	110	U
95-47-6	o-Xylene	120	
100-42-5	Styrene	53	U
75-25-2	Bromoform	53	U
98-82-8	Isopropylbenzene	53	U
79-34-5	1,1,2,2-Tetrachloroethane	53	U
108-86-1	Bromobenzene	53	U
96-18-4	1,2,3-Trichloropropane	53	U
103-65-1	n-Propylbenzene	53	U
95-49-8	2-Chlorotoluene	53	U
108-67-8	1,3,5-Trimethylbenzene	53	U
106-43-4	4-Chlorotoluene	53	U
98-06-6	tert-Butylbenzene	53	U
95-63-6	1,2,4-Trimethylbenzene	53	U
135-98-8	sec-Butylbenzene	53	U
99-87-6	p-Isopropyltoluene	53	U
75-87-3	Chloromethane	53	U
541-73-1	1,3-Dichlorobenzene	53	U
75-65-0	tert butyl alcohol	260	U
109-99-9	Tetrahydrofuran	260	U
106-46-7	1,4-Dichlorobenzene	53	U
104-51-8	n-Butylbenzene	53	U
60-29-7	Diethyl Ether	260	U
95-50-1	1,2-Dichlorobenzene	53	U
96-12-8	1,2-Dibromo-3-chloropropane	110	U
120-82-1	1,2,4-Trichlorobenzene	53	U
87-68-3	Hexachlorobutadiene	53	U
91-20-3	Naphthalene	110	
87-61-6	1,2,3-Trichlorobenzene	53	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0831-03
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 8.1 (g/ml) G
% Moisture 18.57
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: SS-8
Lab File ID: C091118.D
Date Sampled: 8/29/2006
Date Analyzed: 9/11/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
75-01-4	Vinyl Chloride	150000	E
74-83-9	Bromomethane	76	U
75-00-3	Chloroethane	76	U
67-64-1	Acetone	380	U
75-35-4	1,1-Dichloroethene	3400	
75-15-0	Carbon Disulfide	380	U
75-09-2	Methylene Chloride	760	U
1634-04-4	tert-Butyl methyl ether	76	U
156-60-5	trans-1,2 Dichloroethene	25000	E
75-34-3	1,1-Dichloroethane	670	
78-93-3	2-Butanone	380	U
594-20-7	2,2-Dichloropropane	76	U
156-59-2	cis-1,2-Dichloroethene	500000	E
67-66-3	Chloroform	76	U
74-97-5	Bromochloromethane	76	U
71-55-6	1,1,1-Trichloroethane	76	U
563-58-6	1,1-Dichloropropene	76	U
56-23-5	Carbon Tetrachloride	76	U
71-43-2	Benzene	78	
107-06-2	1,2-Dichloroethane	76	U
79-01-6	Trichloroethene	10000	
78-87-5	1,2-Dichloropropane	76	U
75-27-4	Bromodichloromethane	76	U
74-95-3	Dibromomethane	76	U
108-10-1	4-Methyl-2-pentanone	380	U
106-93-4	Ethylene Dibromide	76	U
10061-01-5	cis-1,3-Dichloropropene	76	U
108-88-3	Toluene	250	
10061-02-6	Trans-1,3-Dichloropropene	76	U
79-00-5	1,1,2-Trichloroethane	76	U
591-78-6	2-Hexanone	380	U
127-18-4	Tetrachloroethene	360	
124-48-1	Chlorodibromomethane	76	U
108-90-7	Chlorobenzene	380	U
630-20-6	1,1,1,2-Tetrachloroethane	76	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0831-03
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 8.1 (g/ml) G
% Moisture 18.57
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: SS-8
Lab File ID: C091118.D
Date Sampled: 8/29/2006
Date Analyzed: 9/11/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
100-41-4	Ethylbenzene	76	U
1330-20-7	m & p-Xylene	160	
95-47-6	o-Xylene	260	
100-42-5	Styrene	76	U
75-25-2	Bromoform	76	U
98-82-8	Isopropylbenzene	76	U
79-34-5	1,1,2,2-Tetrachloroethane	76	U
108-86-1	Bromobenzene	76	U
96-18-4	1,2,3-Trichloropropane	76	U
103-65-1	n-Propylbenzene	84	
95-49-8	2-Chlorotoluene	76	U
108-67-8	1,3,5-Trimethylbenzene	440	
106-43-4	4-Chlorotoluene	76	U
98-06-6	tert-Butylbenzene	340	
95-63-6	1,2,4-Trimethylbenzene	650	
135-98-8	sec-Butylbenzene	76	U
99-87-6	p-Isopropyltoluene	430	
75-87-3	Chloromethane	230	
541-73-1	1,3-Dichlorobenzene	76	U
75-65-0	tert butyl alcohol	380	U
109-99-9	Tetrahydrofuran	380	U
106-46-7	1,4-Dichlorobenzene	76	U
104-51-8	n-Butylbenzene	76	U
60-29-7	Diethyl Ether	380	U
95-50-1	1,2-Dichlorobenzene	76	U
96-12-8	1,2-Dibromo-3-chloropropane	150	U
120-82-1	1,2,4-Trichlorobenzene	76	U
87-68-3	Hexachlorobutadiene	76	U
91-20-3	Naphthalene	660	
87-61-6	1,2,3-Trichlorobenzene	76	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0831-03
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 8.1 (g/ml) G
% Moisture 18.57
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: SS-8.dl1
Lab File ID: C091213.D
Date Sampled: 8/29/2006
Date Analyzed: 9/12/2006
Dilution Factor: 10.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
75-01-4	Vinyl Chloride	130000	D
74-83-9	Bromomethane	760	U
75-00-3	Chloroethane	48000	D
67-64-1	Acetone	3800	U
75-35-4	1,1-Dichloroethene	2700	D
75-15-0	Carbon Disulfide	3800	U
75-09-2	Methylene Chloride	7600	U
1634-04-4	tert-Butyl methyl ether	760	U
156-60-5	trans-1,2 Dichloroethene	16000	D
75-34-3	1,1-Dichloroethane	760	U
78-93-3	2-Butanone	3800	U
594-20-7	2,2-Dichloropropane	760	U
156-59-2	cis-1,2-Dichloroethene	1000000	E
67-66-3	Chloroform	760	U
74-97-5	Bromochloromethane	760	U
71-55-6	1,1,1-Trichloroethane	760	U
563-58-6	1,1-Dichloropropene	760	U
56-23-5	Carbon Tetrachloride	760	U
71-43-2	Benzene	760	U
107-06-2	1,2-Dichloroethane	760	U
79-01-6	Trichloroethene	11000	D
78-87-5	1,2-Dichloropropane	760	U
75-27-4	Bromodichloromethane	760	U
74-95-3	Dibromomethane	760	U
108-10-1	4-Methyl-2-pentanone	3800	U
106-93-4	Ethylene Dibromide	760	U
10061-01-5	cis-1,3-Dichloropropene	760	U
108-88-3	Toluene	760	U
10061-02-6	Trans-1,3-Dichloropropene	760	U
79-00-5	1,1,2-Trichloroethane	760	U
591-78-6	2-Hexanone	3800	U
127-18-4	Tetrachloroethene	760	U
124-48-1	Chlorodibromomethane	760	U
108-90-7	Chlorobenzene	3800	U
630-20-6	1,1,1,2-Tetrachloroethane	760	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0831-03
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 8.1 (g/ml) G
% Moisture 18.57
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: SS-8.dl1
Lab File ID: C091213.D
Date Sampled: 8/29/2006
Date Analyzed: 9/12/2006
Dilution Factor: 10.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
100-41-4	Ethylbenzene	760	U
1330-20-7	m & p-Xylene	1500	U
95-47-6	o-Xylene	760	U
100-42-5	Styrene	760	U
75-25-2	Bromoform	760	U
98-82-8	Isopropylbenzene	760	U
79-34-5	1,1,2,2-Tetrachloroethane	760	U
108-86-1	Bromobenzene	760	U
96-18-4	1,2,3-Trichloropropane	760	U
103-65-1	n-Propylbenzene	760	U
95-49-8	2-Chlorotoluene	760	U
108-67-8	1,3,5-Trimethylbenzene	2500	D
106-43-4	4-Chlorotoluene	760	U
98-06-6	tert-Butylbenzene	760	U
95-63-6	1,2,4-Trimethylbenzene	760	U
135-98-8	sec-Butylbenzene	760	U
99-87-6	p-Isopropyltoluene	760	U
75-87-3	Chloromethane	760	U
541-73-1	1,3-Dichlorobenzene	760	U
75-65-0	tert butyl alcohol	3800	U
109-99-9	Tetrahydrofuran	3800	U
106-46-7	1,4-Dichlorobenzene	760	U
104-51-8	n-Butylbenzene	760	U
60-29-7	Diethyl Ether	3800	U
95-50-1	1,2-Dichlorobenzene	760	U
96-12-8	1,2-Dibromo-3-chloropropane	1500	U
120-82-1	1,2,4-Trichlorobenzene	760	U
87-68-3	Hexachlorobutadiene	760	U
91-20-3	Naphthalene	1300	D
87-61-6	1,2,3-Trichlorobenzene	760	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0831-03
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 8.1 (g/ml) G
% Moisture 18.57
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: SS-8.dl2
Lab File ID: C091214.D
Date Sampled: 8/29/2006
Date Analyzed: 9/12/2006
Dilution Factor: 100.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
75-01-4	Vinyl Chloride	120000	D
74-83-9	Bromomethane	7600	U
75-00-3	Chloroethane	7600	U
67-64-1	Acetone	38000	U
75-35-4	1,1-Dichloroethene	7600	U
75-15-0	Carbon Disulfide	38000	U
75-09-2	Methylene Chloride	76000	U
1634-04-4	tert-Butyl methyl ether	7600	U
156-60-5	trans-1,2 Dichloroethene	27000	D
75-34-3	1,1-Dichloroethane	7600	U
78-93-3	2-Butanone	38000	U
594-20-7	2,2-Dichloropropane	7600	U
156-59-2	cis-1,2-Dichloroethene	1000000	D
67-66-3	Chloroform	7600	U
74-97-5	Bromochloromethane	7600	U
71-55-6	1,1,1-Trichloroethane	7600	U
563-58-6	1,1-Dichloropropene	7600	U
56-23-5	Carbon Tetrachloride	7600	U
71-43-2	Benzene	7600	U
107-06-2	1,2-Dichloroethane	7600	U
79-01-6	Trichloroethene	22000	D
78-87-5	1,2-Dichloropropane	7600	U
75-27-4	Bromodichloromethane	7600	U
74-95-3	Dibromomethane	7600	U
108-10-1	4-Methyl-2-pentanone	38000	U
106-93-4	Ethylene Dibromide	7600	U
10061-01-5	cis-1,3-Dichloropropene	7600	U
108-88-3	Toluene	7600	U
10061-02-6	Trans-1,3-Dichloropropene	7600	U
79-00-5	1,1,2-Trichloroethane	7600	U
591-78-6	2-Hexanone	38000	U
127-18-4	Tetrachloroethene	7600	U
124-48-1	Chlorodibromomethane	7600	U
108-90-7	Chlorobenzene	38000	U
630-20-6	1,1,1,2-Tetrachloroethane	7600	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0831-03
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 8.1 (g/ml) G
% Moisture 18.57
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: SS-8.dl2
Lab File ID: C091214.D
Date Sampled: 8/29/2006
Date Analyzed: 9/12/2006
Dilution Factor: 100.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
100-41-4	Ethylbenzene	7600	U
1330-20-7	m & p-Xylene	15000	U
95-47-6	o-Xylene	7600	U
100-42-5	Styrene	7600	U
75-25-2	Bromoform	7600	U
98-82-8	Isopropylbenzene	7600	U
79-34-5	1,1,2,2-Tetrachloroethane	7600	U
108-86-1	Bromobenzene	7600	U
96-18-4	1,2,3-Trichloropropane	7600	U
103-65-1	n-Propylbenzene	7600	U
95-49-8	2-Chlorotoluene	7600	U
108-67-8	1,3,5-Trimethylbenzene	7600	U
106-43-4	4-Chlorotoluene	7600	U
98-06-6	tert-Butylbenzene	7600	U
95-63-6	1,2,4-Trimethylbenzene	7600	U
135-98-8	sec-Butylbenzene	7600	U
99-87-6	p-Isopropyltoluene	7600	U
75-87-3	Chloromethane	7600	U
541-73-1	1,3-Dichlorobenzene	7600	U
75-65-0	tert butyl alcohol	38000	U
109-99-9	Tetrahydrofuran	38000	U
106-46-7	1,4-Dichlorobenzene	7600	U
104-51-8	n-Butylbenzene	7600	U
60-29-7	Diethyl Ether	38000	U
95-50-1	1,2-Dichlorobenzene	7600	U
96-12-8	1,2-Dibromo-3-chloropropane	15000	U
120-82-1	1,2,4-Trichlorobenzene	7600	U
87-68-3	Hexachlorobutadiene	7600	U
91-20-3	Naphthalene	7600	U
87-61-6	1,2,3-Trichlorobenzene	7600	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0831-03
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 11.8 (g/ml) G
% Moisture 14.13
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: SS-9
Lab File ID: C091116.D
Date Sampled: 8/29/2006
Date Analyzed: 9/11/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
75-01-4	Vinyl Chloride	110	
74-83-9	Bromomethane	49	U
75-00-3	Chloroethane	49	U
67-64-1	Acetone	300	
75-35-4	1,1-Dichloroethene	49	U
75-15-0	Carbon Disulfide	250	U
75-09-2	Methylene Chloride	490	U
1634-04-4	tert-Butyl methyl ether	49	U
156-60-5	trans-1,2 Dichloroethene	49	U
75-34-3	1,1-Dichloroethane	60	
78-93-3	2-Butanone	250	U
594-20-7	2,2-Dichloropropane	49	U
156-59-2	cis-1,2-Dichloroethene	240	
67-66-3	Chloroform	49	U
74-97-5	Bromochloromethane	49	U
71-55-6	1,1,1-Trichloroethane	49	U
563-58-6	1,1-Dichloropropene	49	U
56-23-5	Carbon Tetrachloride	49	U
71-43-2	Benzene	49	U
107-06-2	1,2-Dichloroethane	87	
79-01-6	Trichloroethene	140	
78-87-5	1,2-Dichloropropane	49	U
75-27-4	Bromodichloromethane	49	U
74-95-3	Dibromomethane	49	U
108-10-1	4-Methyl-2-pentanone	250	U
106-93-4	Ethylene Dibromide	49	U
10061-01-5	cis-1,3-Dichloropropene	49	U
108-88-3	Toluene	49	U
10061-02-6	Trans-1,3-Dichloropropene	49	U
79-00-5	1,1,2-Trichloroethane	49	U
591-78-6	2-Hexanone	250	U
127-18-4	Tetrachloroethene	49	U
124-48-1	Chlorodibromomethane	49	U
108-90-7	Chlorobenzene	250	U
630-20-6	1,1,1,2-Tetrachloroethane	49	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0831-03
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 11.8 (g/ml) G
% Moisture 14.13
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: SS-9
Lab File ID: C091116.D
Date Sampled: 8/29/2006
Date Analyzed: 9/11/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
100-41-4	Ethylbenzene	49	U
1330-20-7	m & p-Xylene	99	U
95-47-6	o-Xylene	49	U
100-42-5	Styrene	49	U
75-25-2	Bromoform	49	U
98-82-8	Isopropylbenzene	49	U
79-34-5	1,1,2,2-Tetrachloroethane	49	U
108-86-1	Bromobenzene	49	U
96-18-4	1,2,3-Trichloropropane	49	U
103-65-1	n-Propylbenzene	49	U
95-49-8	2-Chlorotoluene	49	U
108-67-8	1,3,5-Trimethylbenzene	49	U
106-43-4	4-Chlorotoluene	49	U
98-06-6	tert-Butylbenzene	49	U
95-63-6	1,2,4-Trimethylbenzene	49	U
135-98-8	sec-Butylbenzene	49	U
99-87-6	p-Isopropyltoluene	49	U
75-87-3	Chloromethane	49	U
541-73-1	1,3-Dichlorobenzene	49	U
75-65-0	tert butyl alcohol	250	U
109-99-9	Tetrahydrofuran	250	U
106-46-7	1,4-Dichlorobenzene	49	U
104-51-8	n-Butylbenzene	49	U
60-29-7	Diethyl Ether	250	U
95-50-1	1,2-Dichlorobenzene	49	U
96-12-8	1,2-Dibromo-3-chloropropane	99	U
120-82-1	1,2,4-Trichlorobenzene	49	U
87-68-3	Hexachlorobutadiene	49	U
91-20-3	Naphthalene	80	
87-61-6	1,2,3-Trichlorobenzene	49	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0831-03
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 12.1 (g/ml) G
% Moisture 16.08
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: SS-10
Lab File ID: C091117.D
Date Sampled: 8/29/2006
Date Analyzed: 9/11/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
75-01-4	Vinyl Chloride	49	U
74-83-9	Bromomethane	49	U
75-00-3	Chloroethane	49	U
67-64-1	Acetone	250	U
75-35-4	1,1-Dichloroethene	49	U
75-15-0	Carbon Disulfide	250	U
75-09-2	Methylene Chloride	490	U
1634-04-4	tert-Butyl methyl ether	49	U
156-60-5	trans-1,2 Dichloroethene	49	U
75-34-3	1,1-Dichloroethane	49	U
78-93-3	2-Butanone	250	U
594-20-7	2,2-Dichloropropane	49	U
156-59-2	cis-1,2-Dichloroethene	49	U
67-66-3	Chloroform	49	U
74-97-5	Bromochloromethane	49	U
71-55-6	1,1,1-Trichloroethane	49	U
563-58-6	1,1-Dichloropropene	49	U
56-23-5	Carbon Tetrachloride	49	U
71-43-2	Benzene	49	U
107-06-2	1,2-Dichloroethane	49	U
79-01-6	Trichloroethene	140	
78-87-5	1,2-Dichloropropane	49	U
75-27-4	Bromodichloromethane	49	U
74-95-3	Dibromomethane	49	U
108-10-1	4-Methyl-2-pentanone	250	U
106-93-4	Ethylene Dibromide	49	U
10061-01-5	cis-1,3-Dichloropropene	49	U
108-88-3	Toluene	49	U
10061-02-6	Trans-1,3-Dichloropropene	49	U
79-00-5	1,1,2-Trichloroethane	49	U
591-78-6	2-Hexanone	250	U
127-18-4	Tetrachloroethene	49	U
124-48-1	Chlorodibromomethane	49	U
108-90-7	Chlorobenzene	250	U
630-20-6	1,1,1,2-Tetrachloroethane	49	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0831-03
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 12.1 (g/ml) G
% Moisture 16.08
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: SS-10
Lab File ID: C091117.D
Date Sampled: 8/29/2006
Date Analyzed: 9/11/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
100-41-4	Ethylbenzene	49	U
1330-20-7	m & p-Xylene	98	U
95-47-6	o-Xylene	49	U
100-42-5	Styrene	49	U
75-25-2	Bromoform	49	U
98-82-8	Isopropylbenzene	49	U
79-34-5	1,1,2,2-Tetrachloroethane	49	U
108-86-1	Bromobenzene	49	U
96-18-4	1,2,3-Trichloropropane	49	U
103-65-1	n-Propylbenzene	49	U
95-49-8	2-Chlorotoluene	49	U
108-67-8	1,3,5-Trimethylbenzene	49	U
106-43-4	4-Chlorotoluene	49	U
98-06-6	tert-Butylbenzene	49	U
95-63-6	1,2,4-Trimethylbenzene	49	U
135-98-8	sec-Butylbenzene	49	U
99-87-6	p-Isopropyltoluene	49	U
75-87-3	Chloromethane	49	U
541-73-1	1,3-Dichlorobenzene	49	U
75-65-0	tert butyl alcohol	250	U
109-99-9	Tetrahydrofuran	250	U
106-46-7	1,4-Dichlorobenzene	49	U
104-51-8	n-Butylbenzene	49	U
60-29-7	Diethyl Ether	250	U
95-50-1	1,2-Dichlorobenzene	49	U
96-12-8	1,2-Dibromo-3-chloropropane	98	U
120-82-1	1,2,4-Trichlorobenzene	49	U
87-68-3	Hexachlorobutadiene	49	U
91-20-3	Naphthalene	49	U
87-61-6	1,2,3-Trichlorobenzene	49	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0831-03
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 10.0 (g/ml) G
% Moisture 0
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: VBLK060911
Lab File ID: C091104.D
Date Sampled: 8/29/2006
Date Analyzed: 9/11/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
75-01-4	Vinyl Chloride	50	U
74-83-9	Bromomethane	50	U
75-00-3	Chloroethane	50	U
67-64-1	Acetone	250	U
75-35-4	1,1-Dichloroethene	50	U
75-15-0	Carbon Disulfide	250	U
75-09-2	Methylene Chloride	500	U
1634-04-4	tert-Butyl methyl ether	50	U
156-60-5	trans-1,2 Dichloroethene	50	U
75-34-3	1,1-Dichloroethane	50	U
78-93-3	2-Butanone	250	U
594-20-7	2,2-Dichloropropane	50	U
156-59-2	cis-1,2-Dichloroethene	50	U
67-66-3	Chloroform	50	U
74-97-5	Bromochloromethane	50	U
71-55-6	1,1,1-Trichloroethane	50	U
563-58-6	1,1-Dichloropropene	50	U
56-23-5	Carbon Tetrachloride	50	U
71-43-2	Benzene	50	U
107-06-2	1,2-Dichloroethane	50	U
79-01-6	Trichloroethene	50	U
78-87-5	1,2-Dichloropropane	50	U
75-27-4	Bromodichloromethane	50	U
74-95-3	Dibromomethane	50	U
108-10-1	4-Methyl-2-pentanone	250	U
106-93-4	Ethylene Dibromide	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
108-88-3	Toluene	50	U
10061-02-6	Trans-1,3-Dichloropropene	50	U
79-00-5	1,1,2-Trichloroethane	50	U
591-78-6	2-Hexanone	250	U
127-18-4	Tetrachloroethene	50	U
124-48-1	Chlorodibromomethane	50	U
108-90-7	Chlorobenzene	250	U
630-20-6	1,1,1,2-Tetrachloroethane	50	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0831-03
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 10.0 (g/ml) G
% Moisture 0
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: VBLK060911
Lab File ID: C091104.D
Date Sampled: 8/29/2006
Date Analyzed: 9/11/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
100-41-4	Ethylbenzene	50	U
1330-20-7	m & p-Xylene	100	U
95-47-6	o-Xylene	50	U
100-42-5	Styrene	50	U
75-25-2	Bromoform	50	U
98-82-8	Isopropylbenzene	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
108-86-1	Bromobenzene	50	U
96-18-4	1,2,3-Trichloropropane	50	U
103-65-1	n-Propylbenzene	50	U
95-49-8	2-Chlorotoluene	50	U
108-67-8	1,3,5-Trimethylbenzene	50	U
106-43-4	4-Chlorotoluene	50	U
98-06-6	tert-Butylbenzene	50	U
95-63-6	1,2,4-Trimethylbenzene	50	U
135-98-8	sec-Butylbenzene	50	U
99-87-6	p-Isopropyltoluene	50	U
75-87-3	Chloromethane	50	U
541-73-1	1,3-Dichlorobenzene	50	U
75-65-0	tert butyl alcohol	250	U
109-99-9	Tetrahydrofuran	250	U
106-46-7	1,4-Dichlorobenzene	50	U
104-51-8	n-Butylbenzene	50	U
60-29-7	Diethyl Ether	250	U
95-50-1	1,2-Dichlorobenzene	50	U
96-12-8	1,2-Dibromo-3-chloropropane	100	U
120-82-1	1,2,4-Trichlorobenzene	50	U
87-68-3	Hexachlorobutadiene	50	U
91-20-3	Naphthalene	50	U
87-61-6	1,2,3-Trichlorobenzene	50	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0831-03
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 10.0 (g/ml) G
% Moisture 0
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: VBLK060912
Lab File ID: C091205.D
Date Sampled: 8/29/2006
Date Analyzed: 9/12/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
75-01-4	Vinyl Chloride	50	U
74-83-9	Bromomethane	50	U
75-00-3	Chloroethane	50	U
67-64-1	Acetone	250	U
75-35-4	1,1-Dichloroethene	50	U
75-15-0	Carbon Disulfide	250	U
75-09-2	Methylene Chloride	500	U
1634-04-4	tert-Butyl methyl ether	50	U
156-60-5	trans-1,2 Dichloroethene	50	U
75-34-3	1,1-Dichloroethane	50	U
78-93-3	2-Butanone	250	U
594-20-7	2,2-Dichloropropane	50	U
156-59-2	cis-1,2-Dichloroethene	50	U
67-66-3	Chloroform	50	U
74-97-5	Bromochloromethane	50	U
71-55-6	1,1,1-Trichloroethane	50	U
563-58-6	1,1-Dichloropropene	50	U
56-23-5	Carbon Tetrachloride	50	U
71-43-2	Benzene	50	U
107-06-2	1,2-Dichloroethane	50	U
79-01-6	Trichloroethene	50	U
78-87-5	1,2-Dichloropropane	50	U
75-27-4	Bromodichloromethane	50	U
74-95-3	Dibromomethane	50	U
108-10-1	4-Methyl-2-pentanone	250	U
106-93-4	Ethylene Dibromide	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
108-88-3	Toluene	50	U
10061-02-6	Trans-1,3-Dichloropropene	50	U
79-00-5	1,1,2-Trichloroethane	50	U
591-78-6	2-Hexanone	250	U
127-18-4	Tetrachloroethene	50	U
124-48-1	Chlorodibromomethane	50	U
108-90-7	Chlorobenzene	250	U
630-20-6	1,1,1,2-Tetrachloroethane	50	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0831-03
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 10.0 (g/ml) G
% Moisture 0
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: VBLK060912
Lab File ID: C091205.D
Date Sampled: 8/29/2006
Date Analyzed: 9/12/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
100-41-4	Ethylbenzene	50	U
1330-20-7	m & p-Xylene	100	U
95-47-6	o-Xylene	50	U
100-42-5	Styrene	50	U
75-25-2	Bromoform	50	U
98-82-8	Isopropylbenzene	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
108-86-1	Bromobenzene	50	U
96-18-4	1,2,3-Trichloropropane	50	U
103-65-1	n-Propylbenzene	50	U
95-49-8	2-Chlorotoluene	50	U
108-67-8	1,3,5-Trimethylbenzene	50	U
106-43-4	4-Chlorotoluene	50	U
98-06-6	tert-Butylbenzene	50	U
95-63-6	1,2,4-Trimethylbenzene	50	U
135-98-8	sec-Butylbenzene	50	U
99-87-6	p-Isopropyltoluene	50	U
75-87-3	Chloromethane	50	U
541-73-1	1,3-Dichlorobenzene	50	U
75-65-0	tert butyl alcohol	250	U
109-99-9	Tetrahydrofuran	250	U
106-46-7	1,4-Dichlorobenzene	50	U
104-51-8	n-Butylbenzene	50	U
60-29-7	Diethyl Ether	250	U
95-50-1	1,2-Dichlorobenzene	50	U
96-12-8	1,2-Dibromo-3-chloropropane	100	U
120-82-1	1,2,4-Trichlorobenzene	50	U
87-68-3	Hexachlorobutadiene	50	U
91-20-3	Naphthalene	50	U
87-61-6	1,2,3-Trichlorobenzene	50	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: New England Testing Lab Contract: Kansas St.

Lab Code: RI010 Case No.: R0831-03 SAS No.: _____ SDG No.: Knoll Envir

Level: (low/med) MED

	EPA SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	TOT OUT
01	VBLK060911	92	97	97	0
02	VLCS060911	115	104	102	0
03	SS-1	92	98	101	0
04	SS-2	97	98	99	0
05	SS-5	95	98	100	0
06	SS-6	100	105	100	0
07	SS-9	97	99	104	0
08	SS-10	93	97	97	0
09	SS-8	112	98	103	0
10	VBLK060912	91	106	97	0
11	VLCS060912	98	107	102	0
12	SS-3	90	102	99	0
13	SS-7	89	104	98	0
14	SS-4	100	107	103	0
15	SS-2.DL	90	112	105	0
16	SS-6.DL	89	107	100	0
17	SS-8.DL1	94	103	97	0
18	SS-8.DL2	91	107	101	0

QC LIMITS

SMC1	=	4-Bromofluorobenzene	(70-130)
SMC2	=	Toluene-D8	(70-130)
SMC3	=	1,2-Dichloroethane-D4	(70-130)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

Volatile Organics Laboratory Control Spike

Date Analyzed: 9/11/06 **Sample ID: VLCS060911**

Compound	Spike Added (ug/L)	Spike Result (ug/L)	Recovery, %	Lower Control Limit, %	Upper Control Limit, %
1,1-Dichloroethene	50	61	122	77	137
Benzene	50	51	102	75	117
Trichloroethene	50	51	101	65	141
Toluene	50	55	110	74	119
Chlorobenzene	50	52	104	74	115

Volatile Organics Laboratory Control Spike

Date Analyzed: 9/12/06 **Sample ID: VLCS060912**

Compound	Spike Added (ug/L)	Spike Result (ug/L)	Recovery, %	Lower Control Limit, %	Upper Control Limit, %
1,1-Dichloroethene	50	51	102	77	137
Benzene	50	47	94	75	117
Trichloroethene	50	47	95	65	141
Toluene	50	52	104	74	119
Chlorobenzene	50	48	96	74	115

RESULTS: VOLATILE PETROLEUM HYDROCARBONS

Results for VPH analysis are presented in the following section. Each page is electronically signed. In the hardcopy report, two signatures appear on the approval line – the electronic signature and the handwritten signature.

SAMPLE INFORMATION

Matrix	__ Aqueous X Soil __ Sediment __ Other:		
Containers	X Satisfactory __ Broken __ Leaking:		
Sample Preservatives	Aqueous	__ N/A __ pH≤2 __ pH>2 Comment:	
	Soil or Sediment	__ N/A __ Samples NOT preserved Methanol or air-tight container	mL Methanol/g soil
		X Samples rec'd in Methanol: X covering soil __ not covering soil	X 1:1 +/- 25%
		X Samples received in air-tight container:	__ Other:
Temperature	X Received on Ice X Received at 4° C __ Other: Received at ° C		

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH 01/98			Client ID	SS-1
Method for Target Analytes:			Lab ID	R0831-03
VPH Surrogate Standards			Date Collected	8/29/06
PID: 2,5- Dibromotoluene			Date Received	8/31/06
FID: 2,5- Dibromotoluene			Date Analyzed	9/14/06
			Dilution Factor	1X
			% Moisture (soil)	10
Range/Target Analyte	**Elution Range**	**RL**	**Units**	
Unadjusted C5-C8 Aliphatics[1]	N/A	3.0	mg/Kg	13.9
Unadjusted C9-C12 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Benzene	C5-C8	0.3	mg/Kg	<0.3
Ethylbenzene	C9-C12	0.3	mg/Kg	<0.3
Methyl-tert-butylether	C5-C8	0.3	mg/Kg	<0.3
Naphthalene	N/A	1	mg/Kg	<1
Toluene	C5-C8	0.3	mg/Kg	<0.3
m- & p- Xylenes	C9-C12	0.6	mg/Kg	<0.6
o-Xylene	C9-C12	0.6	mg/Kg	<0.6
C5-C8 Aliphatic Hydrocarbons[1,2]	N/A	3.0	mg/Kg	13.9
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3.0	mg/Kg	<3.0
C9-C10 Aromatic Hydrocarbons[1]	N/A	3.0	mg/Kg	<3.0
PID Surrogate % Recovery				82
FID Surrogate % Recovery				91
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C_5-C_8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3]C_9-C_{12} Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C_9-C_{10} Aromatic Hydrocarbons

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? X Yes __ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3? X No __ Yes-Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 9/15/2006

SAMPLE INFORMATION

Matrix	__ Aqueous X Soil __ Sediment __ Other:		
Containers	X Satisfactory __ Broken __ Leaking:		
Sample Preservatives	Aqueous	__ N/A __ pH≤2 __ pH>2 Comment:	
	Soil or Sediment	__ N/A __ Samples NOT preserved Methanol or air-tight container	mL Methanol/g soil
		X Samples rec'd in Methanol: X covering soil __ not covering soil	X 1:1 +/- 25%
		X Samples received in air-tight container:	__ Other:
Temperature	X Received on Ice X Received at 4° C __ Other: Received at ° C		

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH 01/98			Client ID	SS-2
Method for Target Analytes:			Lab ID	R0831-03
VPH Surrogate Standards			Date Collected	8/29/06
PID: 2,5- Dibromotoluene			Date Received	8/31/06
FID: 2,5- Dibromotoluene			Date Analyzed	9/15/06
			Dilution Factor	1X
			% Moisture (soil)	19
Range/Target Analyte	**Elution Range**	**RL**	**Units**	
Unadjusted C5-C8 Aliphatics[1]	N/A	3.0	mg/Kg	43.6
Unadjusted C9-C12 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Benzene	C5-C8	0.3	mg/Kg	<0.3
Ethylbenzene	C9-C12	0.3	mg/Kg	<0.3
Methyl-tert-butylether	C5-C8	0.3	mg/Kg	<0.3
Naphthalene	N/A	1	mg/Kg	<1
Toluene	C5-C8	0.3	mg/Kg	<0.3
m- & p- Xylenes	C9-C12	0.6	mg/Kg	<0.6
o-Xylene	C9-C12	0.6	mg/Kg	<0.6
C5-C8 Aliphatic Hydrocarbons[1,2]	N/A	3.0	mg/Kg	43.6
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3.0	mg/Kg	<3.0
C9-C10 Aromatic Hydrocarbons[1]	N/A	3.0	mg/Kg	<3.0
PID Surrogate % Recovery				62
FID Surrogate % Recovery				58
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C_5-C_8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3]C_9-C_{12} Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C_9-C_{10} Aromatic Hydrocarbons

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? X Yes __ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3? X No __ Yes-Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 9/15/2006

SAMPLE INFORMATION

Matrix	__ Aqueous X Soil __ Sediment __ Other:		
Containers	X Satisfactory __ Broken __ Leaking:		
Sample Preservatives	Aqueous	__ N/A __ pH≤2 __ pH>2 Comment:	
	Soil or Sediment	__ N/A __ Samples NOT preserved Methanol or air-tight container	mL Methanol/g soil
		X Samples rec'd in Methanol: X covering soil __ not covering soil	X 1:1 +/- 25%
		X Samples received in air-tight container:	__ Other:
Temperature	X Received on Ice X Received at 4° C __ Other: Received at ° C		

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH 01/98			Client ID	SS-3
Method for Target Analytes:			Lab ID	R0831-03
VPH Surrogate Standards			Date Collected	8/29/06
PID: 2,5- Dibromotoluene			Date Received	8/31/06
FID: 2,5- Dibromotoluene			Date Analyzed	9/14/06
			Dilution Factor	1X
			% Moisture (soil)	18
Range/Target Analyte	**Elution Range**	**RL**	**Units**	
Unadjusted C5-C8 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Unadjusted C9-C12 Aliphatics[1]	N/A	3.0	mg/Kg	5.6
Benzene	C5-C8	0.3	mg/Kg	<0.3
Ethylbenzene	C9-C12	0.3	mg/Kg	<0.3
Methyl-tert-butylether	C5-C8	0.3	mg/Kg	<0.3
Naphthalene	N/A	1	mg/Kg	<1
Toluene	C5-C8	0.3	mg/Kg	<0.3
m- & p- Xylenes	C9-C12	0.6	mg/Kg	<0.6
o-Xylene	C9-C12	0.6	mg/Kg	<0.6
C5-C8 Aliphatic Hydrocarbons[1,2]	N/A	3.0	mg/Kg	<3.0
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3.0	mg/Kg	5.6
C9-C10 Aromatic Hydrocarbons[1]	N/A	3.0	mg/Kg	<3.0
PID Surrogate % Recovery				72
FID Surrogate % Recovery				101
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C_5-C_8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3]C_9-C_{12} Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C_9-C_{10} Aromatic Hydrocarbons

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? X Yes __ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3? X No __ Yes-Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 9/15/2006

SAMPLE INFORMATION

Matrix	__ Aqueous X Soil __ Sediment __ Other:		
Containers	X Satisfactory __ Broken __ Leaking:		
Sample Preservatives	Aqueous	__ N/A __ pH≤2 __ pH>2 Comment:	
	Soil or Sediment	__ N/A __ Samples NOT preserved Methanol or air-tight container	mL Methanol/g soil
		X Samples rec'd in Methanol: X covering soil __ not covering soil	X 1:1 +/- 25%
		X Samples received in air-tight container:	__ Other:
Temperature	X Received on Ice X Received at 4° C __ Other: Received at ° C		

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH 01/98			Client ID	SS-4
Method for Target Analytes:			Lab ID	R0831-03
VPH Surrogate Standards			Date Collected	8/29/06
PID: 2,5- Dibromotoluene			Date Received	8/31/06
FID: 2,5- Dibromotoluene			Date Analyzed	9/12/06
			Dilution Factor	1X
			% Moisture (soil)	19
Range/Target Analyte	**Elution Range**	**RL**	**Units**	
Unadjusted C5-C8 Aliphatics[1]	N/A	3.0	mg/Kg	11.2
Unadjusted C9-C12 Aliphatics[1]	N/A	3.0	mg/Kg	110
Benzene	C5-C8	0.3	mg/Kg	<0.3
Ethylbenzene	C9-C12	0.3	mg/Kg	7.2
Methyl-tert-butylether	C5-C8	0.3	mg/Kg	<0.3
Naphthalene	N/A	1	mg/Kg	3
Toluene	C5-C8	0.3	mg/Kg	0.7
m- & p- Xylenes	C9-C12	0.6	mg/Kg	13.4
o-Xylene	C9-C12	0.6	mg/Kg	5.2
C5-C8 Aliphatic Hydrocarbons[1,2]	N/A	3.0	mg/Kg	10.5
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3.0	mg/Kg	25.0
C9-C10 Aromatic Hydrocarbons[1]	N/A	3.0	mg/Kg	59.2
PID Surrogate % Recovery				70
FID Surrogate % Recovery				122
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C_5-C_8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3]C_9-C_{12} Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C_9-C_{10} Aromatic Hydrocarbons

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? X Yes __ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3? X No __ Yes-Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 9/15/2006

SAMPLE INFORMATION

Matrix	__ Aqueous X Soil __ Sediment __ Other:		
Containers	X Satisfactory __ Broken __ Leaking:		
Sample Preservatives	Aqueous	__ N/A __ pH≤2 __ pH>2 Comment:	
	Soil or Sediment	__ N/A __ Samples NOT preserved Methanol or air-tight container	mL Methanol/g soil
		X Samples rec'd in Methanol: X covering soil __ not covering soil	__ 1:1 +/- 25%
		X Samples received in air-tight container:	X Other: 3:2
Temperature	X Received on Ice X Received at 4° C __ Other: Received at ° C		

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH 01/98			Client ID	SS-5
Method for Target Analytes:			Lab ID	R0831-03
VPH Surrogate Standards			Date Collected	8/29/06
PID: 2,5- Dibromotoluene			Date Received	8/31/06
FID: 2,5- Dibromotoluene			Date Analyzed	9/13/06
			Dilution Factor	1X
			% Moisture (soil)	15
Range/Target Analyte	**Elution Range**	**RL**	**Units**	
Unadjusted C5-C8 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Unadjusted C9-C12 Aliphatics[1]	N/A	3.0	mg/Kg	5.7
Benzene	C5-C8	0.3	mg/Kg	<0.3
Ethylbenzene	C9-C12	0.3	mg/Kg	<0.3
Methyl-tert-butylether	C5-C8	0.3	mg/Kg	<0.3
Naphthalene	N/A	1	mg/Kg	<1
Toluene	C5-C8	0.3	mg/Kg	<0.3
m- & p- Xylenes	C9-C12	0.6	mg/Kg	<0.6
o-Xylene	C9-C12	0.6	mg/Kg	<0.6
C5-C8 Aliphatic Hydrocarbons[1,2]	N/A	3.0	mg/Kg	<3.0
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3.0	mg/Kg	5.7
C9-C10 Aromatic Hydrocarbons[1]	N/A	3.0	mg/Kg	<3.0
PID Surrogate % Recovery				82
FID Surrogate % Recovery				100
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C_5-C_8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3]C_9-C_{12} Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C_9-C_{10} Aromatic Hydrocarbons

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? X Yes __ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3? X No __ Yes-Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 9/15/2006

SAMPLE INFORMATION

Matrix	__ Aqueous X Soil __ Sediment __ Other:		
Containers	X Satisfactory __ Broken __ Leaking:		
Sample Preservatives	Aqueous	__ N/A __ pH≤2 __ pH>2 Comment:	
	Soil or Sediment	__ N/A __ Samples NOT preserved Methanol or air-tight container	mL Methanol/g soil
		X Samples rec'd in Methanol: X covering soil __ not covering soil	X 1:1 +/- 25%
		X Samples received in air-tight container:	__ Other:
Temperature	X Received on Ice X Received at 4° C __ Other: Received at ° C		

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH 01/98			Client ID	SS-6
Method for Target Analytes:			Lab ID	R0831-03
VPH Surrogate Standards			Date Collected	8/29/06
PID: 2,5- Dibromotoluene			Date Received	8/31/06
FID: 2,5- Dibromotoluene			Date Analyzed	9/13/06
			Dilution Factor	1X
			% Moisture (soil)	15
Range/Target Analyte	**Elution Range**	**RL**	**Units**	
Unadjusted C5-C8 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Unadjusted C9-C12 Aliphatics[1]	N/A	3.0	mg/Kg	5.1
Benzene	C5-C8	0.3	mg/Kg	<0.3
Ethylbenzene	C9-C12	0.3	mg/Kg	<0.3
Methyl-tert-butylether	C5-C8	0.3	mg/Kg	<0.3
Naphthalene	N/A	1	mg/Kg	<1
Toluene	C5-C8	0.3	mg/Kg	<0.3
m- & p- Xylenes	C9-C12	0.6	mg/Kg	<0.6
o-Xylene	C9-C12	0.6	mg/Kg	<0.6
C5-C8 Aliphatic Hydrocarbons[1,2]	N/A	3.0	mg/Kg	<3.0
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3.0	mg/Kg	5.1
C9-C10 Aromatic Hydrocarbons[1]	N/A	3.0	mg/Kg	<3.0
PID Surrogate % Recovery				119
FID Surrogate % Recovery				125
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C_5-C_8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3]C_9-C_{12} Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C_9-C_{10} Aromatic Hydrocarbons

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? X Yes __ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3? X No __ Yes-Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 9/15/2006

SAMPLE INFORMATION

Matrix	__ Aqueous X Soil __ Sediment __ Other:		
Containers	X Satisfactory __ Broken __ Leaking:		
Sample Preservatives	Aqueous	__ N/A __ pH≤2 __ pH>2 Comment:	
	Soil or Sediment	__ N/A __ Samples NOT preserved Methanol or air-tight container	mL Methanol/g soil
		X Samples rec'd in Methanol: X covering soil __ not covering soil	X 1:1 +/- 25%
		X Samples received in air-tight container:	__ Other:
Temperature	X Received on Ice X Received at 4° C __ Other: Received at ° C		

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH 01/98			Client ID	SS-7
Method for Target Analytes:			Lab ID	R0831-03
VPH Surrogate Standards			Date Collected	8/29/06
PID: 2,5- Dibromotoluene			Date Received	8/31/06
FID: 2,5- Dibromotoluene			Date Analyzed	9/13/06
			Dilution Factor	1X
			% Moisture (soil)	11
Range/Target Analyte	**Elution Range**	**RL**	**Units**	
Unadjusted C5-C8 Aliphatics[1]	N/A	3.0	mg/Kg	6.6
Unadjusted C9-C12 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Benzene	C5-C8	0.3	mg/Kg	<0.3
Ethylbenzene	C9-C12	0.3	mg/Kg	<0.3
Methyl-tert-butylether	C5-C8	0.3	mg/Kg	<0.3
Naphthalene	N/A	1	mg/Kg	<1
Toluene	C5-C8	0.3	mg/Kg	<0.3
m- & p- Xylenes	C9-C12	0.6	mg/Kg	<0.6
o-Xylene	C9-C12	0.6	mg/Kg	<0.6
C5-C8 Aliphatic Hydrocarbons[1,2]	N/A	3.0	mg/Kg	6.6
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3.0	mg/Kg	<3.0
C9-C10 Aromatic Hydrocarbons[1]	N/A	3.0	mg/Kg	<3.0
PID Surrogate % Recovery				75
FID Surrogate % Recovery				81
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C_5-C_8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3]C_9-C_{12} Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C_9-C_{10} Aromatic Hydrocarbons

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? X Yes __ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3? X No __ Yes-Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 9/15/2006

SAMPLE INFORMATION

Matrix	__ Aqueous X Soil __ Sediment __ Other:		
Containers	X Satisfactory __ Broken __ Leaking:		
Sample Preservatives	Aqueous	__ N/A __ pH≤2 __ pH>2 Comment:	
	Soil or Sediment	__ N/A __ Samples NOT preserved Methanol or air-tight container	mL Methanol/g soil
		X Samples rec'd in Methanol: X covering soil __ not covering soil	X 1:1 +/- 25%
		X Samples received in air-tight container:	__ Other:
Temperature	X Received on Ice X Received at 4° C __ Other: Received at ° C		

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH 01/98			Client ID	SS-8
Method for Target Analytes:			Lab ID	R0831-03
VPH Surrogate Standards			Date Collected	8/29/06
PID: 2,5- Dibromotoluene			Date Received	8/31/06
FID: 2,5- Dibromotoluene			Date Analyzed	9/14/06
			Dilution Factor	1X
			% Moisture (soil)	19
Range/Target Analyte	**Elution Range**	**RL**	**Units**	
Unadjusted C5-C8 Aliphatics[1]	N/A	3.0	mg/Kg	427
Unadjusted C9-C12 Aliphatics[1]	N/A	3.0	mg/Kg	57.3
Benzene	C5-C8	0.3	mg/Kg	<0.3
Ethylbenzene	C9-C12	0.3	mg/Kg	<0.3
Methyl-tert-butylether	C5-C8	0.3	mg/Kg	<0.3
Naphthalene	N/A	1	mg/Kg	<1
Toluene	C5-C8	0.3	mg/Kg	<0.3
m- & p- Xylenes	C9-C12	0.6	mg/Kg	<0.6
o-Xylene	C9-C12	0.6	mg/Kg	<0.6
C5-C8 Aliphatic Hydrocarbons[1,2]	N/A	3.0	mg/Kg	427
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3.0	mg/Kg	32.9
C9-C10 Aromatic Hydrocarbons[1]	N/A	3.0	mg/Kg	24.4
PID Surrogate % Recovery				111
FID Surrogate % Recovery				103
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C_5-C_8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3]C_9-C_{12} Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C_9-C_{10} Aromatic Hydrocarbons

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? X Yes __ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3? X No __ Yes-Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 9/15/2006

SAMPLE INFORMATION

Matrix	__ Aqueous X Soil __ Sediment __ Other:		
Containers	X Satisfactory __ Broken __ Leaking:		
Sample Preservatives	Aqueous	__ N/A __ pH≤2 __ pH>2 Comment:	
	Soil or Sediment	__ N/A __ Samples NOT preserved Methanol or air-tight container	mL Methanol/g soil
		X Samples rec'd in Methanol: X covering soil __ not covering soil	X 1:1 +/- 25%
		X Samples received in air-tight container:	__ Other:
Temperature	X Received on Ice X Received at 4° C __ Other: Received at ° C		

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH 01/98			Client ID	SS-9
Method for Target Analytes:			Lab ID	R0831-03
VPH Surrogate Standards			Date Collected	8/29/06
PID: 2,5- Dibromotoluene			Date Received	8/31/06
FID: 2,5- Dibromotoluene			Date Analyzed	9/12/06
			Dilution Factor	1X
			% Moisture (soil)	14
Range/Target Analyte	**Elution Range**	**RL**	**Units**	
Unadjusted C5-C8 Aliphatics[1]	N/A	3.0	mg/Kg	5.4
Unadjusted C9-C12 Aliphatics[1]	N/A	3.0	mg/Kg	3.7
Benzene	C5-C8	0.3	mg/Kg	<0.3
Ethylbenzene	C9-C12	0.3	mg/Kg	<0.3
Methyl-tert-butylether	C5-C8	0.3	mg/Kg	<0.3
Naphthalene	N/A	1	mg/Kg	<1
Toluene	C5-C8	0.3	mg/Kg	<0.3
m- & p- Xylenes	C9-C12	0.6	mg/Kg	<0.6
o-Xylene	C9-C12	0.6	mg/Kg	<0.6
C5-C8 Aliphatic Hydrocarbons[1,2]	N/A	3.0	mg/Kg	5.4
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3.0	mg/Kg	3.7
C9-C10 Aromatic Hydrocarbons[1]	N/A	3.0	mg/Kg	<3.0
PID Surrogate % Recovery				72
FID Surrogate % Recovery				79
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C_5-C_8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3]C_9-C_{12} Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C_9-C_{10} Aromatic Hydrocarbons

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? X Yes __ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3? X No __ Yes-Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 9/15/2006

SAMPLE INFORMATION

Matrix	__ Aqueous X Soil __ Sediment __ Other:		
Containers	X Satisfactory __ Broken __ Leaking:		
Sample Preservatives	Aqueous	__ N/A __ pH≤2 __ pH>2 Comment:	
	Soil or Sediment	__ N/A __ Samples NOT preserved Methanol or air-tight container	mL Methanol/g soil
		X Samples rec'd in Methanol: X covering soil __ not covering soil	X 1:1 +/- 25%
		X Samples received in air-tight container:	__ Other:
Temperature	X Received on Ice X Received at 4° C __ Other: Received at ° C		

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH 01/98			Client ID	SS-10
Method for Target Analytes:			Lab ID	R0831-03
VPH Surrogate Standards			Date Collected	8/29/06
PID: 2,5- Dibromotoluene			Date Received	8/31/06
FID: 2,5- Dibromotoluene			Date Analyzed	9/14/06
			Dilution Factor	1X
			% Moisture (soil)	16
Range/Target Analyte	**Elution Range**	**RL**	**Units**	
Unadjusted C5-C8 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Unadjusted C9-C12 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Benzene	C5-C8	0.3	mg/Kg	<0.3
Ethylbenzene	C9-C12	0.3	mg/Kg	<0.3
Methyl-tert-butylether	C5-C8	0.3	mg/Kg	<0.3
Naphthalene	N/A	1	mg/Kg	<1
Toluene	C5-C8	0.3	mg/Kg	<0.3
m- & p- Xylenes	C9-C12	0.6	mg/Kg	<0.6
o-Xylene	C9-C12	0.6	mg/Kg	<0.6
C5-C8 Aliphatic Hydrocarbons[1,2]	N/A	3.0	mg/Kg	<3.0
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3.0	mg/Kg	<3.0
C9-C10 Aromatic Hydrocarbons[1]	N/A	3.0	mg/Kg	<3.0
PID Surrogate % Recovery				107
FID Surrogate % Recovery				93
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C_5-C_8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3]C_9-C_{12} Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C_9-C_{10} Aromatic Hydrocarbons

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? X Yes __ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3? X No __ Yes-Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 9/15/2006

SAMPLE INFORMATION

Matrix	__ Aqueous X Soil __ Sediment __ Other:		
Containers	_Satisfactory __ Broken __ Leaking:		
Sample Preservatives	Aqueous	__ N/A __ pH≤2 __ pH>2 Comment:	
	Soil or Sediment	X N/A __ Samples NOT preserved Methanol or air-tight container	mL Methanol/g soil
		__ Samples rec'd in Methanol: __covering soil __ not covering soil	__ 1:1 +/- 25%
		__ Samples received in air-tight container:	__ Other:
Temperature	_ Received on Ice __ Received at 4° C __ Other:		

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH 01/98			Client ID	Method Blank
Method for Target Analytes:			Lab ID	R0831-03
VPH Surrogate Standards			Date Collected	NA
PID: 2,5- Dibromotoluene			Date Received	NA
FID: 2,5- Dibromotoluene			Date Analyzed	9/11/06
			Dilution Factor	1X
			% Moisture (soil)	
Range/Target Analyte	**Elution Range**	**RL**	**Units**	
Unadjusted C5-C8 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Unadjusted C9-C12 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Benzene	C5-C8	0.3	mg/Kg	<0.3
Ethylbenzene	C9-C12	0.3	mg/Kg	<0.3
Methyl-tert-butylether	C5-C8	0.3	mg/Kg	<0.3
Naphthalene	N/A	1	mg/Kg	<1
Toluene	C5-C8	0.3	mg/Kg	<0.3
m- & p- Xylenes	C9-C12	0.6	mg/Kg	<0.6
o-Xylene	C9-C12	0.6	mg/Kg	<0.6
C5-C8 Aliphatic Hydrocarbons[1,2]	N/A	3.0	mg/Kg	<3.0
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3.0	mg/Kg	<3.0
C9-C10 Aromatic Hydrocarbons[1]	N/A	3.0	mg/Kg	<3.0
PID Surrogate % Recovery				90
FID Surrogate % Recovery				86
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C_5-C_8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3]C_9-C_{12} Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C_9-C_{10} Aromatic Hydrocarbons

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? X Yes __ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3? X No __ Yes-Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 9/15/2006

VPH LABORATORY CONTROL SPIKE

Date Analyzed: 9/11/06

Compound	Spike Added, mg/Kg	Spike Result, mg/Kg	Recovery, %	Recovery Limits, %
TBME	2.5	2.8	110	70-130
Benzene	2.5	2.8	110	70-130
Toluene	2.5	2.7	108	70-130
Ethylbenzene	2.5	2.7	106	70-130
m&p Xylene	5.0	5.6	111	70-130
o-Xylene	2.5	2.6	102	70-130
Naphthalene	2.5	2.0	78	NA
Pentane	2.5	2.4	94	70-130
2-Methyl pentane	2.5	2.1	82	70-130
2,2,4-trimethylpentan	2.5	2.2	86	70-130

VPH LABORATORY CONTROL SPIKE

Date Analyzed: 9/13/06

Compound	Spike Added, mg/Kg	Spike Result, mg/Kg	Recovery, %	Recovery Limits, %
TBME	2.5	2.7	106	70-130
Benzene	2.5	2.9	116	70-130
Toluene	2.5	2.5	100	70-130
Ethylbenzene	2.5	2.7	106	70-130
m&p Xylene	5.0	5.5	110	70-130
o-Xylene	2.5	2.5	98	70-130
Naphthalene	2.5	2.7	106	NA
Pentane	2.5	2.5	98	70-130
2-Methyl pentane	2.5	2.4	94	70-130
2,2,4-trimethylpentan	2.5	2.4	94	70-130

VPH LABORATORY CONTROL SPIKE

Date Analyzed: 9/14/06

Compound	Spike Added, mg/Kg	Spike Result, mg/Kg	Recovery, %	Recovery Limits, %
TBME	2.5	2.5	100	70-130
Benzene	2.5	2.9	116	70-130
Toluene	2.5	2.5	100	70-130
Ethylbenzene	2.5	2.7	106	70-130
m&p Xylene	5.0	5.5	109	70-130
o-Xylene	2.5	2.4	96	70-130
Naphthalene	2.5	1.9	76	NA
Pentane	2.5	2.4	96	70-130
2-Methyl pentane	2.5	2.5	100	70-130
2,2,4-trimethylpentan	2.5	2.5	98	70-130

VPH LABORATORY CONTROL SPIKE

Date Analyzed: 9/15/06

Compound	Spike Added, mg/Kg	Spike Result, mg/Kg	Recovery, %	Recovery Limits, %
TBME	2.5	2.7	108	70-130
Benzene	2.5	2.9	116	70-130
Toluene	2.5	2.6	104	70-130
Ethylbenzene	2.5	2.7	108	70-130
m&p Xylene	5.0	5.5	110	70-130
o-Xylene	2.5	2.5	98	70-130
Naphthalene	2.5	2.0	80	NA
Pentane	2.5	2.4	96	70-130
2-Methyl pentane	2.5	2.5	98	70-130
2,2,4-trimethylpentan	2.5	2.4	94	70-130

RESULTS: EXTRACTABLE PETROLEUM HYDROCARBONS

Results for EPH analysis are presented in the following section. Each page is electronically signed. In the hardcopy report, two signatures appear on the approval line – the electronic signature and the handwritten signature.

SAMPLE INFORMATION

Matrix	Aqueous X Soil Sediment Other:
Containers	X Satisfactory Broken Leaking:
Aqueous Preservatives	X N/A pH<2 pH>2 Comment:
Temperature	X Received on Ice X Received at 4 ° C Other:
Extraction Method	Water: Soil: Soxhlet

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	SS-1
Method for Target Analytes:			Lab ID	R0831-03
EPH Surrogate Standards			Date Collected	8/29/06
Aliphatic: Chlorooctadecane			Date Received	8/31/06
Aromatic: o-Terphenyl			Date Extracted	9/1/06
EPH Fractionation Surrogates			Date Analyzed	9/7/06
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	10
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		11	mg/Kg	60
Diesel PAH Analytes	Naphthalene	0.3	mg/Kg	<0.3
	2-Methylnaphthalene	0.3	mg/Kg	<0.3
	Phenanthrene	0.3	mg/Kg	<0.3
	Acenaphthylene	0.3	mg/Kg	<0.3
Other Target PAH Analytes	Acenaphthene	0.3	mg/Kg	<0.3
	Fluorene	0.3	mg/Kg	<0.3
	Anthracene	0.3	mg/Kg	<0.3
	Fluoranthene	0.3	mg/Kg	<0.3
	Pyrene	0.3	mg/Kg	<0.3
	Benzo(a)anthracene	0.3	mg/Kg	<0.3
	Chrysene	0.3	mg/Kg	<0.3
	Benzo(b)fluoranthene	0.3	mg/Kg	<0.3
	Benzo(k)fluoranthene	0.3	mg/Kg	<0.3
	Benzo(a)pyrene	0.3	mg/Kg	<0.3
	Indeno(1,2,3-cd)pyrene	0.3	mg/Kg	<0.3
	Dibenzo(a,h)anthracene	0.3	mg/Kg	<0.3
	Benzo(g,h,i)perylene	0.3	mg/Kg	<0.3
C9-C18 Aliphatic Hydrocarbons[1]		11	mg/Kg	<11
C19-C36 Aliphatic Hydrocarbons[1]		11	mg/Kg	23
C11-C22 Aromatic Hydrocarbons[1,2]		11	mg/Kg	60
Aliphatic Surrogate % Recovery				73
Aromatic Surrogate % Recovery				87
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				127
Fractionation Surrogate % Recovery				131
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached

Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached

Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 9/15/2006

SAMPLE INFORMATION

Matrix	Aqueous X Soil Sediment Other:
Containers	X Satisfactory Broken Leaking:
Aqueous Preservatives	X N/A pH<2 pH>2 Comment:
Temperature	X Received on Ice X Received at 4 ° C Other:
Extraction Method	Water: Soil: Soxhlet

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	SS-2
Method for Target Analytes:			Lab ID	R0831-03
EPH Surrogate Standards			Date Collected	8/29/06
Aliphatic: Chlorooctadecane			Date Received	8/31/06
Aromatic: o-Terphenyl			Date Extracted	9/1/06
EPH Fractionation Surrogates			Date Analyzed	9/7/06
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	19
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		12	mg/Kg	80
Diesel PAH Analytes	Naphthalene	0.3	mg/Kg	<0.3
	2-Methylnaphthalene	0.3	mg/Kg	<0.3
	Phenanthrene	0.3	mg/Kg	0.5
	Acenaphthylene	0.3	mg/Kg	<0.3
Other Target PAH Analytes	Acenaphthene	0.3	mg/Kg	<0.3
	Fluorene	0.3	mg/Kg	<0.3
	Anthracene	0.3	mg/Kg	<0.3
	Fluoranthene	0.3	mg/Kg	1.2
	Pyrene	0.3	mg/Kg	1.1
	Benzo(a)anthracene	0.3	mg/Kg	0.5
	Chrysene	0.3	mg/Kg	0.6
	Benzo(b)fluoranthene	0.3	mg/Kg	0.8
	Benzo(k)fluoranthene	0.3	mg/Kg	0.9
	Benzo(a)pyrene	0.3	mg/Kg	1.8
	Indeno(1,2,3-cd)pyrene	0.3	mg/Kg	<0.3
	Dibenzo(a,h)anthracene	0.3	mg/Kg	<0.3
	Benzo(g,h,i)perylene	0.3	mg/Kg	<0.3
C9-C18 Aliphatic Hydrocarbons[1]		12	mg/Kg	10
C19-C36 Aliphatic Hydrocarbons[1]		12	mg/Kg	100
C11-C22 Aromatic Hydrocarbons[1,2]		12	mg/Kg	70
Aliphatic Surrogate % Recovery				58
Aromatic Surrogate % Recovery				73
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				124
Fractionation Surrogate % Recovery				131
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached

Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached

Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 9/15/2006

SAMPLE INFORMATION

Matrix	Aqueous X Soil Sediment Other:
Containers	X Satisfactory Broken Leaking:
Aqueous Preservatives	X N/A pH<2 pH>2 Comment:
Temperature	X Received on Ice X Received at 4 ° C Other:
Extraction Method	Water: Soil: Soxhlet

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	SS-3
Method for Target Analytes:			Lab ID	R0831-03
EPH Surrogate Standards			Date Collected	8/29/06
Aliphatic: Chlorooctadecane			Date Received	8/31/06
Aromatic: o-Terphenyl			Date Extracted	9/1/06
EPH Fractionation Surrogates			Date Analyzed	9/7/06
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	18
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		12	mg/Kg	970
Diesel PAH Analytes	Naphthalene	0.3	mg/Kg	<0.3
	2-Methylnaphthalene	0.3	mg/Kg	<0.3
	Phenanthrene	0.3	mg/Kg	3.1
	Acenaphthylene	0.3	mg/Kg	<0.3
Other Target PAH Analytes	Acenaphthene	0.3	mg/Kg	<0.3
	Fluorene	0.3	mg/Kg	0.5
	Anthracene	0.3	mg/Kg	0.7
	Fluoranthene	0.3	mg/Kg	6.1
	Pyrene	0.3	mg/Kg	6.6
	Benzo(a)anthracene	0.3	mg/Kg	4.5
	Chrysene	0.3	mg/Kg	2.8
	Benzo(b)fluoranthene	0.3	mg/Kg	3.6
	Benzo(k)fluoranthene	0.3	mg/Kg	2.6
	Benzo(a)pyrene	0.3	mg/Kg	4.2
	Indeno(1,2,3-cd)pyrene	0.3	mg/Kg	1.1
	Dibenzo(a,h)anthracene	0.3	mg/Kg	0.9
	Benzo(g,h,i)perylene	0.3	mg/Kg	1.4
C9-C18 Aliphatic Hydrocarbons[1]		12	mg/Kg	170
C19-C36 Aliphatic Hydrocarbons[1]		12	mg/Kg	1020
C11-C22 Aromatic Hydrocarbons[1,2]		12	mg/Kg	930
Aliphatic Surrogate % Recovery				56
Aromatic Surrogate % Recovery				41
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				137
Fractionation Surrogate % Recovery				138
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached

Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached

Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 9/15/2006

SAMPLE INFORMATION

Matrix	Aqueous X Soil Sediment Other:
Containers	X Satisfactory Broken Leaking:
Aqueous Preservatives	X N/A pH<2 pH>2 Comment:
Temperature	X Received on Ice X Received at 4 ° C Other:
Extraction Method	Water: Soil: Soxhlet

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	SS-4
Method for Target Analytes:			Lab ID	R0831-03
EPH Surrogate Standards			Date Collected	8/29/06
Aliphatic: Chlorooctadecane			Date Received	8/31/06
Aromatic: o-Terphenyl			Date Extracted	9/1/06
EPH Fractionation Surrogates			Date Analyzed	9/7/06
2-Fluorobiphenyl			Dilution Factor	10X, 20X
2-Bromonaphthalene			% Moisture (soil)	19
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		120	mg/Kg	1470
Diesel PAH Analytes	Naphthalene	3.1	mg/Kg	4.2
	2-Methylnaphthalene	3.1	mg/Kg	5.6
	Phenanthrene	3.1	mg/Kg	<3.1
	Acenaphthylene	3.1	mg/Kg	<3.1
Other Target PAH Analytes	Acenaphthene	3.1	mg/Kg	<3.1
	Fluorene	3.1	mg/Kg	<3.1
	Anthracene	3.1	mg/Kg	<3.1
	Fluoranthene	3.1	mg/Kg	<3.1
	Pyrene	3.1	mg/Kg	<3.1
	Benzo(a)anthracene	3.1	mg/Kg	<3.1
	Chrysene	3.1	mg/Kg	<3.1
	Benzo(b)fluoranthene	3.1	mg/Kg	<3.1
	Benzo(k)fluoranthene	3.1	mg/Kg	<3.1
	Benzo(a)pyrene	3.1	mg/Kg	<3.1
	Indeno(1,2,3-cd)pyrene	3.1	mg/Kg	<3.1
	Dibenzo(a,h)anthracene	3.1	mg/Kg	<3.1
	Benzo(g,h,i)perylene	3.1	mg/Kg	<3.1
C9-C18 Aliphatic Hydrocarbons[1]		240	mg/Kg	<240
C19-C36 Aliphatic Hydrocarbons[1]		240	mg/Kg	390
C11-C22 Aromatic Hydrocarbons[1,2]		120	mg/Kg	1440
Aliphatic Surrogate % Recovery				Diluted out
Aromatic Surrogate % Recovery				Diluted out
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				Diluted out
Fractionation Surrogate % Recovery				Diluted out
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached

Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached

Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 9/15/2006

SAMPLE INFORMATION

Matrix	Aqueous X Soil Sediment Other:
Containers	X Satisfactory Broken Leaking:
Aqueous Preservatives	X N/A pH<2 pH>2 Comment:
Temperature	X Received on Ice X Received at 4 ° C Other:
Extraction Method	Water: Soil: Soxhlet

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	SS-5
Method for Target Analytes:			Lab ID	R0831-03
EPH Surrogate Standards			Date Collected	8/29/06
Aliphatic: Chlorooctadecane			Date Received	8/31/06
Aromatic: o-Terphenyl			Date Extracted	9/1/06
EPH Fractionation Surrogates			Date Analyzed	9/7/06
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	15
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		11	mg/Kg	260
Diesel PAH Analytes	Naphthalene	0.3	mg/Kg	<0.3
	2-Methylnaphthalene	0.3	mg/Kg	<0.3
	Phenanthrene	0.3	mg/Kg	<0.3
	Acenaphthylene	0.3	mg/Kg	<0.3
Other Target PAH Analytes	Acenaphthene	0.3	mg/Kg	<0.3
	Fluorene	0.3	mg/Kg	<0.3
	Anthracene	0.3	mg/Kg	<0.3
	Fluoranthene	0.3	mg/Kg	0.4
	Pyrene	0.3	mg/Kg	0.5
	Benzo(a)anthracene	0.3	mg/Kg	<0.3
	Chrysene	0.3	mg/Kg	<0.3
	Benzo(b)fluoranthene	0.3	mg/Kg	<0.3
	Benzo(k)fluoranthene	0.3	mg/Kg	<0.3
	Benzo(a)pyrene	0.3	mg/Kg	<0.3
	Indeno(1,2,3-cd)pyrene	0.3	mg/Kg	<0.3
	Dibenzo(a,h)anthracene	0.3	mg/Kg	<0.3
	Benzo(g,h,i)perylene	0.3	mg/Kg	<0.3
C9-C18 Aliphatic Hydrocarbons[1]		11	mg/Kg	40
C19-C36 Aliphatic Hydrocarbons[1]		11	mg/Kg	320
C11-C22 Aromatic Hydrocarbons[1,2]		11	mg/Kg	260
Aliphatic Surrogate % Recovery				90
Aromatic Surrogate % Recovery				40
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				125
Fractionation Surrogate % Recovery				139
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached

Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached

Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 9/15/2006

SAMPLE INFORMATION

Matrix	Aqueous X Soil Sediment Other:
Containers	X Satisfactory Broken Leaking:
Aqueous Preservatives	X N/A pH<2 pH>2 Comment:
Temperature	X Received on Ice X Received at 4 ° C Other:
Extraction Method	Water: Soil: Soxhlet

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	SS-6
Method for Target Analytes:			Lab ID	R0831-03
EPH Surrogate Standards			Date Collected	8/29/06
Aliphatic: Chlorooctadecane			Date Received	8/31/06
Aromatic: o-Terphenyl			Date Extracted	9/1/06
EPH Fractionation Surrogates			Date Analyzed	9/7/06
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	15
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		12	mg/Kg	70
Diesel PAH Analytes	Naphthalene	0.3	mg/Kg	<0.3
	2-Methylnaphthalene	0.3	mg/Kg	<0.3
	Phenanthrene	0.3	mg/Kg	<0.3
	Acenaphthylene	0.3	mg/Kg	<0.3
Other Target PAH Analytes	Acenaphthene	0.3	mg/Kg	<0.3
	Fluorene	0.3	mg/Kg	<0.3
	Anthracene	0.3	mg/Kg	<0.3
	Fluoranthene	0.3	mg/Kg	<0.3
	Pyrene	0.3	mg/Kg	<0.3
	Benzo(a)anthracene	0.3	mg/Kg	<0.3
	Chrysene	0.3	mg/Kg	<0.3
	Benzo(b)fluoranthene	0.3	mg/Kg	<0.3
	Benzo(k)fluoranthene	0.3	mg/Kg	<0.3
	Benzo(a)pyrene	0.3	mg/Kg	<0.3
	Indeno(1,2,3-cd)pyrene	0.3	mg/Kg	<0.3
	Dibenzo(a,h)anthracene	0.3	mg/Kg	<0.3
	Benzo(g,h,i)perylene	0.3	mg/Kg	<0.3
C9-C18 Aliphatic Hydrocarbons[1]		12	mg/Kg	50
C19-C36 Aliphatic Hydrocarbons[1]		12	mg/Kg	150
C11-C22 Aromatic Hydrocarbons[1,2]		12	mg/Kg	70
Aliphatic Surrogate % Recovery				64
Aromatic Surrogate % Recovery				48
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				Obscured
Fractionation Surrogate % Recovery				62
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached

Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached

Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

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SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 9/15/2006

SAMPLE INFORMATION

Matrix	Aqueous X Soil Sediment Other:
Containers	X Satisfactory Broken Leaking:
Aqueous Preservatives	X N/A pH<2 pH>2 Comment:
Temperature	X Received on Ice X Received at 4 ° C Other:
Extraction Method	Water: Soil: Soxhlet

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	SS-7
Method for Target Analytes:			Lab ID	R0831-03
EPH Surrogate Standards			Date Collected	8/29/06
Aliphatic: Chlorooctadecane			Date Received	8/31/06
Aromatic: o-Terphenyl			Date Extracted	9/6/06
EPH Fractionation Surrogates			Date Analyzed	9/7/06, 9/8/06
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	11
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		11	mg/Kg	250
Diesel PAH Analytes	Naphthalene	0.3	mg/Kg	<0.3
	2-Methylnaphthalene	0.3	mg/Kg	<0.3
	Phenanthrene	0.3	mg/Kg	<0.3
	Acenaphthylene	0.3	mg/Kg	<0.3
Other Target PAH Analytes	Acenaphthene	0.3	mg/Kg	<0.3
	Fluorene	0.3	mg/Kg	<0.3
	Anthracene	0.3	mg/Kg	<0.3
	Fluoranthene	0.3	mg/Kg	0.4
	Pyrene	0.3	mg/Kg	0.4
	Benzo(a)anthracene	0.3	mg/Kg	<0.3
	Chrysene	0.3	mg/Kg	<0.3
	Benzo(b)fluoranthene	0.3	mg/Kg	<0.3
	Benzo(k)fluoranthene	0.3	mg/Kg	<0.3
	Benzo(a)pyrene	0.3	mg/Kg	<0.3
	Indeno(1,2,3-cd)pyrene	0.3	mg/Kg	<0.3
	Dibenzo(a,h)anthracene	0.3	mg/Kg	<0.3
	Benzo(g,h,i)perylene	0.3	mg/Kg	<0.3
C9-C18 Aliphatic Hydrocarbons[1]		11	mg/Kg	40
C19-C36 Aliphatic Hydrocarbons[1]		11	mg/Kg	300
C11-C22 Aromatic Hydrocarbons[1,2]		11	mg/Kg	250
Aliphatic Surrogate % Recovery				48
Aromatic Surrogate % Recovery				53
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				135
Fractionation Surrogate % Recovery				130
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached

Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached

Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

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SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 9/15/2006

SAMPLE INFORMATION

Matrix	Aqueous X Soil Sediment Other:
Containers	X Satisfactory Broken Leaking:
Aqueous Preservatives	X N/A pH<2 pH>2 Comment:
Temperature	X Received on Ice X Received at 4 ° C Other:
Extraction Method	Water: Soil: Soxhlet

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	SS-8
Method for Target Analytes:			Lab ID	R0831-03
EPH Surrogate Standards			Date Collected	8/29/06
Aliphatic: Chlorooctadecane			Date Received	8/31/06
Aromatic: o-Terphenyl			Date Extracted	9/1/06
EPH Fractionation Surrogates			Date Analyzed	9/7/06, 9/11/06
2-Fluorobiphenyl			Dilution Factor	10X, 20X
2-Bromonaphthalene			% Moisture (soil)	19
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		120	mg/Kg	3950
Diesel PAH Analytes	Naphthalene	3.0	mg/Kg	<3.0
	2-Methylnaphthalene	3.0	mg/Kg	<3.0
	Phenanthrene	3.0	mg/Kg	<3.0
	Acenaphthylene	3.0	mg/Kg	<3.0
Other Target PAH Analytes	Acenaphthene	3.0	mg/Kg	<3.0
	Fluorene	3.0	mg/Kg	<3.0
	Anthracene	3.0	mg/Kg	<3.0
	Fluoranthene	3.0	mg/Kg	<3.0
	Pyrene	3.0	mg/Kg	<3.0
	Benzo(a)anthracene	3.0	mg/Kg	<3.0
	Chrysene	3.0	mg/Kg	<3.0
	Benzo(b)fluoranthene	3.0	mg/Kg	<3.0
	Benzo(k)fluoranthene	3.0	mg/Kg	<3.0
	Benzo(a)pyrene	3.0	mg/Kg	<3.0
	Indeno(1,2,3-cd)pyrene	3.0	mg/Kg	<3.0
	Dibenzo(a,h)anthracene	3.0	mg/Kg	<3.0
	Benzo(g,h,i)perylene	3.0	mg/Kg	<3.0
C9-C18 Aliphatic Hydrocarbons[1]		240	mg/Kg	<240
C19-C36 Aliphatic Hydrocarbons[1]		240	mg/Kg	<240
C11-C22 Aromatic Hydrocarbons[1,2]		120	mg/Kg	3950
Aliphatic Surrogate % Recovery				Diluted out
Aromatic Surrogate % Recovery				Diluted out
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				Diluted out
Fractionation Surrogate % Recovery				Diluted out
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached

Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached

Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

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SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 9/15/2006

SAMPLE INFORMATION

Matrix	Aqueous X Soil Sediment Other:
Containers	X Satisfactory Broken Leaking:
Aqueous Preservatives	X N/A pH<2 pH>2 Comment:
Temperature	X Received on Ice X Received at 4 ° C Other:
Extraction Method	Water: Soil: Soxhlet

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	SS-9
Method for Target Analytes:			Lab ID	R0831-03
EPH Surrogate Standards			Date Collected	8/29/06
Aliphatic: Chlorooctadecane			Date Received	8/31/06
Aromatic: o-Terphenyl			Date Extracted	9/1/06
EPH Fractionation Surrogates			Date Analyzed	9/7/06
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	14
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		11	mg/Kg	300
Diesel PAH Analytes	Naphthalene	0.3	mg/Kg	<0.3
	2-Methylnaphthalene	0.3	mg/Kg	<0.3
	Phenanthrene	0.3	mg/Kg	<0.3
	Acenaphthylene	0.3	mg/Kg	<0.3
Other Target PAH Analytes	Acenaphthene	0.3	mg/Kg	<0.3
	Fluorene	0.3	mg/Kg	<0.3
	Anthracene	0.3	mg/Kg	<0.3
	Fluoranthene	0.3	mg/Kg	<0.3
	Pyrene	0.3	mg/Kg	<0.3
	Benzo(a)anthracene	0.3	mg/Kg	<0.3
	Chrysene	0.3	mg/Kg	<0.3
	Benzo(b)fluoranthene	0.3	mg/Kg	<0.3
	Benzo(k)fluoranthene	0.3	mg/Kg	<0.3
	Benzo(a)pyrene	0.3	mg/Kg	<0.3
	Indeno(1,2,3-cd)pyrene	0.3	mg/Kg	<0.3
	Dibenzo(a,h)anthracene	0.3	mg/Kg	<0.3
	Benzo(g,h,i)perylene	0.3	mg/Kg	<0.3
C9-C18 Aliphatic Hydrocarbons[1]		11	mg/Kg	40
C19-C36 Aliphatic Hydrocarbons[1]		11	mg/Kg	380
C11-C22 Aromatic Hydrocarbons[1,2]		11	mg/Kg	300
Aliphatic Surrogate % Recovery				82
Aromatic Surrogate % Recovery				49
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				130
Fractionation Surrogate % Recovery				134
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached

Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached

Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

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SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 9/15/2006

SAMPLE INFORMATION

Matrix	Aqueous X Soil Sediment Other:
Containers	X Satisfactory Broken Leaking:
Aqueous Preservatives	X N/A pH<2 pH>2 Comment:
Temperature	X Received on Ice X Received at 4 ° C Other:
Extraction Method	Water: Soil: Soxhlet

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	SS-10
Method for Target Analytes:			Lab ID	R0831-03
EPH Surrogate Standards			Date Collected	8/29/06
Aliphatic: Chlorooctadecane			Date Received	8/31/06
Aromatic: o-Terphenyl			Date Extracted	9/1/06
EPH Fractionation Surrogates			Date Analyzed	9/7/06
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	16
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		12	mg/Kg	50
Diesel PAH Analytes	Naphthalene	0.3	mg/Kg	<0.3
	2-Methylnaphthalene	0.3	mg/Kg	<0.3
	Phenanthrene	0.3	mg/Kg	0.5
	Acenaphthylene	0.3	mg/Kg	<0.3
Other Target PAH Analytes	Acenaphthene	0.3	mg/Kg	<0.3
	Fluorene	0.3	mg/Kg	<0.3
	Anthracene	0.3	mg/Kg	0.4
	Fluoranthene	0.3	mg/Kg	0.6
	Pyrene	0.3	mg/Kg	0.8
	Benzo(a)anthracene	0.3	mg/Kg	<0.3
	Chrysene	0.3	mg/Kg	0.6
	Benzo(b)fluoranthene	0.3	mg/Kg	<0.3
	Benzo(k)fluoranthene	0.3	mg/Kg	<0.3
	Benzo(a)pyrene	0.3	mg/Kg	<0.3
	Indeno(1,2,3-cd)pyrene	0.3	mg/Kg	<0.3
	Dibenzo(a,h)anthracene	0.3	mg/Kg	<0.3
	Benzo(g,h,i)perylene	0.3	mg/Kg	<0.3
C9-C18 Aliphatic Hydrocarbons[1]		12	mg/Kg	<12
C19-C36 Aliphatic Hydrocarbons[1]		12	mg/Kg	30
C11-C22 Aromatic Hydrocarbons[1,2]		12	mg/Kg	40
Aliphatic Surrogate % Recovery				80
Aromatic Surrogate % Recovery				96
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				138
Fractionation Surrogate % Recovery				136
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached

Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached

Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

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SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 9/15/2006

SAMPLE INFORMATION

Matrix	Aqueous X Soil Sediment Other:
Containers	Satisfactory Broken Leaking:
Aqueous Preservatives	X N/A pH<2 pH>2 Comment:
Temperature	Received on Ice Received at 4 ° C Other:
Extraction Method	Water: Soil: Soxhlet

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	Method Blank
Method for Target Analytes:			Lab ID	R0831-03
EPH Surrogate Standards			Date Collected	NA
Aliphatic: Chlorooctadecane			Date Received	NA
Aromatic: o-Terphenyl			Date Extracted	9/1/06
EPH Fractionation Surrogates			Date Analyzed	9/5/06, 9/6/06
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	0
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		10	mg/Kg	<10
Diesel PAH Analytes	Naphthalene	0.3	mg/Kg	<0.3
	2-Methylnaphthalene	0.3	mg/Kg	<0.3
	Phenanthrene	0.3	mg/Kg	<0.3
	Acenaphthylene	0.3	mg/Kg	<0.3
Other Target PAH Analytes	Acenaphthene	0.3	mg/Kg	<0.3
	Fluorene	0.3	mg/Kg	<0.3
	Anthracene	0.3	mg/Kg	<0.3
	Fluoranthene	0.3	mg/Kg	<0.3
	Pyrene	0.3	mg/Kg	<0.3
	Benzo(a)anthracene	0.3	mg/Kg	<0.3
	Chrysene	0.3	mg/Kg	<0.3
	Benzo(b)fluoranthene	0.3	mg/Kg	<0.3
	Benzo(k)fluoranthene	0.3	mg/Kg	<0.3
	Benzo(a)pyrene	0.3	mg/Kg	<0.3
	Indeno(1,2,3-cd)pyrene	0.3	mg/Kg	<0.3
	Dibenzo(a,h)anthracene	0.3	mg/Kg	<0.3
	Benzo(g,h,i)perylene	0.3	mg/Kg	<0.3
C9-C18 Aliphatic Hydrocarbons[1]		10	mg/Kg	<10
C19-C36 Aliphatic Hydrocarbons[1]		10	mg/Kg	<10
C11-C22 Aromatic Hydrocarbons[1,2]		10	mg/Kg	<10
Aliphatic Surrogate % Recovery				70
Aromatic Surrogate % Recovery				96
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				140
Fractionation Surrogate % Recovery				123
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached

Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached

Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

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SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 9/15/2006

SAMPLE INFORMATION

Matrix	Aqueous X Soil Sediment Other:
Containers	Satisfactory Broken Leaking:
Aqueous Preservatives	X N/A pH<2 pH>2 Comment:
Temperature	Received on Ice Received at 4 ° C Other:
Extraction Method	Water: Soil: Soxhlet

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	Method Blank
Method for Target Analytes:			Lab ID	R0831-03
EPH Surrogate Standards			Date Collected	NA
Aliphatic: Chlorooctadecane			Date Received	NA
Aromatic: o-Terphenyl			Date Extracted	9/6/06
EPH Fractionation Surrogates			Date Analyzed	9/7/06, 9/8/06
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	0
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		10	mg/Kg	<10
Diesel PAH Analytes	Naphthalene	0.3	mg/Kg	<0.3
	2-Methylnaphthalene	0.3	mg/Kg	<0.3
	Phenanthrene	0.3	mg/Kg	<0.3
	Acenaphthylene	0.3	mg/Kg	<0.3
Other Target PAH Analytes	Acenaphthene	0.3	mg/Kg	<0.3
	Fluorene	0.3	mg/Kg	<0.3
	Anthracene	0.3	mg/Kg	<0.3
	Fluoranthene	0.3	mg/Kg	<0.3
	Pyrene	0.3	mg/Kg	<0.3
	Benzo(a)anthracene	0.3	mg/Kg	<0.3
	Chrysene	0.3	mg/Kg	<0.3
	Benzo(b)fluoranthene	0.3	mg/Kg	<0.3
	Benzo(k)fluoranthene	0.3	mg/Kg	<0.3
	Benzo(a)pyrene	0.3	mg/Kg	<0.3
	Indeno(1,2,3-cd)pyrene	0.3	mg/Kg	<0.3
	Dibenzo(a,h)anthracene	0.3	mg/Kg	<0.3
	Benzo(g,h,i)perylene	0.3	mg/Kg	<0.3
C9-C18 Aliphatic Hydrocarbons[1]		10	mg/Kg	<10
C19-C36 Aliphatic Hydrocarbons[1]		10	mg/Kg	<10
C11-C22 Aromatic Hydrocarbons[1,2]		10	mg/Kg	<10
Aliphatic Surrogate % Recovery				65
Aromatic Surrogate % Recovery				83
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				119
Fractionation Surrogate % Recovery				115
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached

Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached

Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

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SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 9/15/2006

Spike Recovery and RPD Summary Report - WATER

Method : R:\2\METHODS\ALI.M (Chemstation Integrator)
Title :
Last Update : Fri Aug 18 16:28:23 2006
Response via : Initial Calibration

Non-Spiked Sample: F090216.D

	Spike Sample	Spike Duplicate Sample
File ID :	F090217.D	F090218.D
Sample :	LES9-1HX	LESD 9-1HX
Acq Time:	5 Sep 20106 10:28 pm	5 Sep 20106 11:06 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Nonane	0.0	40	21	19	52	49	7	25	30-140
Tetradecane	0.0	40	33	29	83	73	14	25	40-140
Nonadecane	0.0	40	36	34	90	84	7	25	40-140
Eicosane	0.0	40	38	34	95	86	9	25	40-140
Octacosane	0.0	40	37	34	92	85	8	25	40-140

- Fails Limit Check

ALI.M Mon Sep 11 16:50:19 2006

Spike Recovery and RPD Summary Report - WATER

Method : R:\2\METHODS\ALI.M (Chemstation Integrator)
Title :
Last Update : Fri Aug 18 16:28:23 2006
Response via : Initial Calibration

Non-Spiked Sample: F090212.D

	Spike Sample	Spike Duplicate Sample
File ID :	F090213.D	F090214.D
Sample :	LES9-1ME	LESD 9-1ME
Acq Time:	6 Sep 20106 11:07 am	6 Sep 20106 11:43 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Napthalene	0.0	40	35	32	87	81	8	25	40-140
2 methyl napthalene	0.0	40	36	33	91	83	9	25	40-140
Acenapthene	0.0	40	36	32	89	80	10	25	40-140
Anthracene	0.0	40	37	37	92	93	1	25	40-140
Pyrene	0.0	40	39	40	98	100	2	25	40-140
Chrysene	0.0	40	37	37	93	93	1	25	40-140

- Fails Limit Check

ALI.M Mon Sep 11 16:48:45 2006

Spike Recovery and RPD Summary Report - WATER

Method : R:\2\METHODS\ALI.M (Chemstation Integrator)
Title :
Last Update : Fri Aug 18 16:28:23 2006
Response via : Initial Calibration

Non-Spiked Sample: F090277.D

	Spike Sample	Spike Duplicate Sample
File ID :	F090278.D	F090279.D
Sample :	LES 9/6 ME	LESD 9/6 ME
Acq Time:	8 Sep 20106 1:16 am	8 Sep 20106 1:52 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Napthalene	0.0	40	31	32	77	81	6	25	40-140
2 methyl napthalene	0.0	40	34	34	85	86	1	25	40-140
Acenapthene	0.0	40	43	36	107	91	16	25	40-140
Anthracene	0.4	40	37	35	91	88	4	25	40-140
Pyrene	0.0	40	40	39	101	98	3	25	40-140
Chrysene	0.0	40	38	39	96	96	0	25	40-140

- Fails Limit Check

ALI.M Mon Sep 11 16:53:10 2006

Spike Recovery and RPD Summary Report - WATER

Method : R:\2\METHODS\ALI.M (Chemstation Integrator)
Title :
Last Update : Fri Aug 18 16:28:23 2006
Response via : Initial Calibration

Non-Spiked Sample: F090257.D

	Spike Sample	Spike Duplicate Sample
File ID :	F090258.D	F090259.D
Sample :	LES 9/6 HX	LESD 9/6 HX
Acq Time:	7 Sep 20106 12:05 pm	7 Sep 20106 12:44 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Nonane	0.0	40	32	31	79	78	1	25	30-140
Tetradecane	0.0	40	29	29	73	73	0	25	40-140
Nonadecane	0.0	40	34	36	86	91	6	25	40-140
Eicosane	0.0	40	36	39	91	98	7	25	40-140
Octacosane	0.0	40	36	37	90	92	2	25	40-140

- Fails Limit Check

ALI.M Mon Sep 11 16:52:20 2006

Custody Records

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
Fax: (781) 449-1623

Turn Around Time:
Due Date: 9-14-06

Project Name: KANSAS ST.

COC# 2401

PO# 8333

Comments: Page 1 of 2

Collected By: KAD

Sample ID	Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 (PAH's)	VPH (TPH)	EPH (TPH)	RCRA 8 (Metal)	8080 (PCB)	Amrec Specs	Bardon Trimount	ESMI Specs	Asb. by PLM
SS-1	8-29-06	soil	meoH VOC VPH	3	X				X	X	X					
SS-2	"	"	"	3	X				X	X	X					
SS-3	"	"	"	3	X				X	X	X					
SS-4	"	"	"	3	X				X	X	X					
SS-5	"	"	"	3	X				X	X	X					
SS-6	"	"	"	3	X				X	X	X					
SS-7	"	"	"	3	X				X	X	X					

Relinquished By: Date/Time: 8/29/06 Relinquished By: Date/Time: Relinquished By: Date/Time:

Received By: Date/Time: 8/30/06 Received By: Jillian Vaj Date/Time: 8/31 1:00 Received By; Date/Time:

GW=Ground Water S=Sediments/Soil WW=Waste Water

Soil 4°C on ice

F/Formats/Misc Office Forms/Chain of Custody

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
Fax: (781) 449-1623

Turn Around Time: 9:14:06
Due Date:

Project Name: Kansas St.

COC# 2401

PO# 8333

Comments:

Page 2 of 2

Collected By:

Sample ID	Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 (PAH's)	VPH (TPH)	EPH (TPH)	RCRA 8 (Metal)	8080 (PCB)	Amrec Specs	Bardon Trimount	ESMI Specs	Asb. by PLM
SS-8	8-29-06	Soil	MeOH-VOC VPH	3	X				X	X	X					
SS-9	"	"	"	"	X				X	X	X					
SS-9 MS	"	"	"	"							X					
SS-9 MSD	"	"	"	"							X					
SS-10	"	"	"	"	X				X	X						

Relinquished By:	Date/Time:	Relinquished By:	Date/Time:	Relinquished By:	Date/Time:
	8/30/06				
Received By:	**Date/Time:**	**Received By:**	**Date/Time:**	**Received By;**	**Date/Time:**
	8/30/06	Gillian Vaz	8/31 1:00		

GW=Ground Water S=Sediments/Soil WW=Waste Water

4°C on ice
Soil

F/Formats/Misc Office Forms/Chain of Custody

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number R0831-02

Prepared for:

Attn: Kevin Doherty
Knoll Environmental
69 Wexford St.
Needham, MA 02194

Report Date: September 11, 2006

Lab # RI010

Electronic Copy

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: New England Testing Laboratory, Inc. Project #: 2402

Project Location: Kansas St. RTN[1]:

This form provides certifications for the following data set: R0831-02

Sample Matrices: Groundwater ( ) Soil/Sediment (X) Drinking Water ( ) Other:

SW-846 Methods Used					
	8260B ( )	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )
	8082 (X)	8021B ( )	EPH ( )	7000 S[3] ( )	Other: ( )

1 List Release Tracking Number (RTN), if known
2 M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S – SW-846 Methods 7000 Series List individual method and analyte

An affirmative response to questions A, B, and C is required for "Presumptive Certainty" status

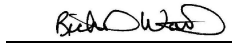
A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of Custody documentation for the data set?	Yes (X) No[1] ( )
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (X) No[1] ( )
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	Yes (X) No[1] ( ) Not Applicable ( )
D	***VPH and EPH Methods only***: Was the VPH and EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)	Yes ( ) No[1] ( )

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all QC performance standards and recommendations for the specified methods achieved?	Yes (X) No[1] ( )
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes (X) No[1] ( )

[1]All NO answers must be addressed in an attached Environmental Laboratory case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:  Position: Laboratory Director

Printed Name: Richard Warila Date: 9/11/2006

STATEMENTS/CERTIFICATIONS REQUIRED BY THE NATIONAL ENVIRONMENTAL LABORATORY APPROVAL CONFERENCE (NELAC)

New England Testing Laboratory is certified under the National Environmental Laboratory Approval Program (NELAP). This certification requires the following statements and certifications be included in our report.

This report shall not be reproduced, except in full, without written approval of the laboratory.

New England Testing certifies that the test results contained within this report meet all NELAC requirements except as detailed in the Case Narrative section of this report.

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on August 31, 2006. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. The case number for this sample submission is R0831-02.

Custody records are included in this report.

Site: Kansas St.
COC# 2402

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
B-102 7'-12'	8/29/06	Soil	Table II
B-103 7'-12'	8/29/06	Soil	Table II
B-105 0-12"	8/29/06	Soil	Table II
B-105 1'-3'	8/29/06	Soil	Table II
B-105 3'-7'	8/29/06	Soil	Table II
B-105 7'-12'	8/29/06	Soil	Table II
B-106 0-12"	8/29/06	Soil	Table II
B-106 1'-3'	8/29/06	Soil	Table II
B-106 3'-7'	8/29/06	Soil	Table II
B-106 7'-12'	8/29/06	Soil	Table II
B-107 0-12"	8/29/06	Soil	Table II
B-107 1'-3'	8/29/06	Soil	Table II
B-107 3'-7'	8/29/06	Soil	Table II
B-107 7'-12'	8/29/06	Soil	Table II

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
PCBs	3541	8082

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd ed., USEPA.

CASE NARRATIVE:

Sample Receipt:

No sample for ms/msd/duplicate analysis was supplied. No field blank was supplied. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits.)

The samples were all appropriately cooled and preserved upon receipt.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

PCBs:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Sample Results

RESULTS: PCBs

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

Sample: B-102 7'-12'		Analyst's Initials: DC
Case No.: R0831-02		
Date Collected: 8/29/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	9/5/06	9/8/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	107
Aroclor-1232	N.D.	107
Aroclor-1016/1242	N.D.	107
Aroclor-1248	N.D.	107
Aroclor-1254	N.D.	107
Aroclor-1260	N.D.	107
Aroclor-1262	N.D.	107
Aroclor-1268	N.D.	107
Surrogates:		
Compound	% Recovery	Limits
TCMX	95	43-125
DCBP	83	41-127

*Dry Weight Basis

Sample: B-103 7'-12'		Analyst's Initials: DC
Case No.: R0831-02		
Date Collected: 8/29/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	9/5/06	9/8/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	111
Aroclor-1232	N.D.	111
Aroclor-1016/1242	N.D.	111
Aroclor-1248	N.D.	111
Aroclor-1254	5260	2220
Aroclor-1260	N.D.	111
Aroclor-1262	N.D.	111
Aroclor-1268	N.D.	111
Surrogates:		
Compound	% Recovery	Limits
TCMX	100	43-125
DCBP	98	41-127

*Dry Weight Basis

Sample: B-105 0-12”		Analyst’s Initials: DC
Case No.: R0831-02		
Date Collected: 8/29/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	9/5/06	9/8/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	107
Aroclor-1232	N.D.	107
Aroclor-1016/1242	N.D.	107
Aroclor-1248	N.D.	107
Aroclor-1254	N.D.	107
Aroclor-1260	N.D.	107
Aroclor-1262	N.D.	107
Aroclor-1268	N.D.	107
Surrogates:		
Compound	% Recovery	Limits
TCMX	83	43-125
DCBP	80	41-127

*Dry Weight Basis

Sample: B-105 1'-3'		Analyst's Initials: DC
Case No.: R0831-02		
Date Collected: 8/29/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	9/5/06	9/8/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	120
Aroclor-1232	N.D.	120
Aroclor-1016/1242	N.D.	120
Aroclor-1248	N.D.	120
Aroclor-1254	3240	1200
Aroclor-1260	N.D.	120
Aroclor-1262	N.D.	120
Aroclor-1268	N.D.	120
Surrogates:		
Compound	% Recovery	Limits
TCMX	73	43-125
DCBP	78	41-127

*Dry Weight Basis

Sample: B-105 3'-7'		Analyst's Initials: DC
Case No.: R0831-02		
Date Collected: 8/29/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	9/5/06	9/8/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	111
Aroclor-1232	N.D.	111
Aroclor-1016/1242	N.D.	111
Aroclor-1248	N.D.	111
Aroclor-1254	284	111
Aroclor-1260	N.D.	111
Aroclor-1262	N.D.	111
Aroclor-1268	N.D.	111
Surrogates:		
Compound	% Recovery	Limits
TCMX	78	43-125
DCBP	78	41-127

*Dry Weight Basis

Sample: B-105 7'-12'		Analyst's Initials: DC
Case No.: R0831-02		
Date Collected: 8/29/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	9/5/06	9/8/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	139
Aroclor-1232	N.D.	139
Aroclor-1016/1242	N.D.	139
Aroclor-1248	N.D.	139
Aroclor-1254	N.D.	139
Aroclor-1260	N.D.	139
Aroclor-1262	N.D.	139
Aroclor-1268	N.D.	139
Surrogates:		
Compound	% Recovery	Limits
TCMX	80	43-125
DCBP	78	41-127

*Dry Weight Basis

Sample: B-106 0-12”		Analyst’s Initials: DC
Case No.: R0831-02		
Date Collected: 8/29/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	9/5/06	9/8/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	102
Aroclor-1232	N.D.	102
Aroclor-1016/1242	N.D.	102
Aroclor-1248	N.D.	102
Aroclor-1254	317	102
Aroclor-1260	N.D.	102
Aroclor-1262	N.D.	102
Aroclor-1268	N.D.	102
Surrogates:		
Compound	% Recovery	Limits
TCMX	78	43-125
DCBP	78	41-127

*Dry Weight Basis

Sample: B-106 1'-3'		Analyst's Initials: DC
Case No.: R0831-02		
Date Collected: 8/29/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	9/5/06	9/8/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	25400	4930
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	103	43-125
DCBP	98	41-127

*Dry Weight Basis

Sample: B-106 3'-7'		Analyst's Initials: DC
Case No.: R0831-02		
Date Collected: 8/29/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	9/5/06	9/8/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	114
Aroclor-1232	N.D.	114
Aroclor-1016/1242	N.D.	114
Aroclor-1248	N.D.	114
Aroclor-1254	261	114
Aroclor-1260	N.D.	114
Aroclor-1262	N.D.	114
Aroclor-1268	N.D.	114
Surrogates:		
Compound	% Recovery	Limits
TCMX	80	43-125
DCBP	88	41-127

*Dry Weight Basis

Sample: B-106 7'-12'		Analyst's Initials: DC
Case No.: R0831-02		
Date Collected: 8/29/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	9/5/06	9/8/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	140
Aroclor-1232	N.D.	140
Aroclor-1016/1242	N.D.	140
Aroclor-1248	N.D.	140
Aroclor-1254	N.D.	140
Aroclor-1260	N.D.	140
Aroclor-1262	N.D.	140
Aroclor-1268	N.D.	140
Surrogates:		
Compound	% Recovery	Limits
TCMX	78	43-125
DCBP	75	41-127

*Dry Weight Basis

Sample: B-107 0-12”		Analyst’s Initials: DC
Case No.: R0831-02		
Date Collected: 8/29/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	9/5/06	9/8/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	110
Aroclor-1232	N.D.	110
Aroclor-1016/1242	N.D.	110
Aroclor-1248	N.D.	110
Aroclor-1254	N.D.	110
Aroclor-1260	N.D.	110
Aroclor-1262	N.D.	110
Aroclor-1268	N.D.	110
Surrogates:		
Compound	% Recovery	Limits
TCMX	73	43-125
DCBP	90	41-127

*Dry Weight Basis

Sample: B-107 1'-3'		Analyst's Initials: DC
Case No.: R0831-02		
Date Collected: 8/29/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	9/5/06	9/8/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	105
Aroclor-1232	N.D.	105
Aroclor-1016/1242	N.D.	105
Aroclor-1248	N.D.	105
Aroclor-1254	N.D.	105
Aroclor-1260	N.D.	105
Aroclor-1262	N.D.	105
Aroclor-1268	N.D.	105
Surrogates:		
Compound	% Recovery	Limits
TCMX	90	43-125
DCBP	88	41-127

*Dry Weight Basis

Sample: B-107 3'-7'		Analyst's Initials: DC
Case No.: R0831-02		
Date Collected: 8/29/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	9/5/06	9/8/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	104
Aroclor-1232	N.D.	104
Aroclor-1016/1242	N.D.	104
Aroclor-1248	N.D.	104
Aroclor-1254	211	104
Aroclor-1260	N.D.	104
Aroclor-1262	N.D.	104
Aroclor-1268	N.D.	104
Surrogates:		
Compound	% Recovery	Limits
TCMX	93	43-125
DCBP	88	41-127

*Dry Weight Basis

Sample: B-107 7'-12'		Analyst's Initials: DC
Case No.: R0831-02		
Date Collected: 8/29/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	9/5/06	9/8/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	102
Aroclor-1232	N.D.	102
Aroclor-1016/1242	N.D.	102
Aroclor-1248	N.D.	102
Aroclor-1254	206	102
Aroclor-1260	N.D.	102
Aroclor-1262	N.D.	102
Aroclor-1268	N.D.	102
Surrogates:		
Compound	% Recovery	Limits
TCMX	90	43-125
DCBP	83	41-127

*Dry Weight Basis

Sample: Method Blank		Analyst's Initials: DC
Case No.: R0831-02		
Date Collected: NA		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	9/5/06	9/7/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg (ppb)	Reporting Limit
Aroclor-1221	N.D.	100
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	70	43-125
DCBP	75	41-127

PCB Laboratory Control Spike

Sample Matrix: Soil			Analyst:	DC
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3541	9/5/06			9/7/06
Analytical Method: EPA 8082				
Compound	Amount Spiked mg/kg	Result mg/kg	Recovery %	Recovery Limits
Aroclor 1232	0.250	0.175	70	40-140
Surrogates:				
Compound	% Recovery	Limits		
TCMX	78	43-125		
DCBP	85	41-127		

Custody Records

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY R0831-02

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
Fax: (781) 449-1623

Turn Around Time:
Due Date: 9-14-06

Project Name: Kasa ST

COC# 2402

PO# 8334

Comments: Page 1 of 2

Collected By: KD

Sample ID	Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 (PAH's)	VPH (TPH)	EPH (TPH)	RCRA 8 (Metal)	8080 (PCB)	Amrec Specs	Bardon Trimount	ESMI Specs	Asb. by PLM
B-102 7'-12'	8-29-06	Soil	—	1								X				
B-103 7'-12'	"	"	—	1								X				
B-105 0-12"	"	"	—	1								X				
B-105 1'-3'	"	"	—	1								X				
B-105 3'-7'	"	"	—	1								X				
B-105 7'-12'	"	"	—	1								X				

Relinquished By: [signature] Date/Time: 8-29-06 Relinquished By: Date/Time: Relinquished By: Date/Time:

Received By: [signature] Date/Time: 8/30/06 Received By: Gillen Vaj Date/Time: 8/31 1:00 Received By: Date/Time:

Soil 4°C on ice

GW=Ground Water S=Sediments/Soil WW=Waste Water

F/Formats/Misc Office Forms/Chain of Custody

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY R0831-02

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
Fax: (781) 449-1623

Turn Around Time: ~~9-14-06~~
Due Date:

Project Name: KANSAS ST

COC# 2402

PO# 8334

Comments: Page 2 of 2

Collected By: KD

Sample ID	Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 (PAH's)	VPH (TPH)	EPH (TPH)	RCRA 8 (Metal)	8080 (PCB)	Amrec Specs	Bardon Trimount	ESMI Specs	Asb. by PLM
B-106 0-12"	8-29-06	Soil	—	1								X				
B-106 1'-3'	"	"	—	1								X				
B-106 3'-7'	"	"	—	1								X				
B-106 7'-12'	"	"	—	1								X				
B-107 0-12"	"	"	—	1								X				
B-107 1'-3'	"	"	—	1								X				
B-107 3'-7'	"	"	—	1								X				
B-107 7'-12'	"	"	—	1								X				

Relinquished By:	Date/Time:	Relinquished By:	Date/Time:	Relinquished By:	Date/Time:
Kevin Kelly	8-29-06				
Received By:	**Date/Time:**	**Received By:**	**Date/Time:**	**Received By;**	**Date/Time:**
Jeff	9/30/06	Gilles Vaj	8-31 1:00		

GW=Ground Water S=Sediments/Soil WW=Waste Water

4°C on ice soil

F/Formats/Misc Office Forms/Chain of Custody

NETLAB

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number R0328-08

Prepared for:

Attn: Kevin Doherty
Knoll Environmental
69 Wexford St.
Needham, MA 02194

Report Date: April 4, 2006

Lab # RI010

Electronic Copy

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

Total # of Pages: 30

ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: New England Testing Laboratory, Inc.	Project #: 8312
Project Location: Kansas St., COC# 2380	RTN[1]:
This form provides certifications for the following data set: R0328-08	
Sample Matrices: Groundwater ( ) Soil/Sediment (X) Drinking Water ( ) Other:	

SW-846 Methods Used					
	8260B ( )	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )
	8082 (X)	8021B ( )	EPH ( )	7000 S[3] ( )	Other: ( )

1 List Release Tracking Number (RTN), if known
2 M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S – SW-846 Methods 7000 Series List individual method and analyte

An affirmative response to questions A, B, and C is required for "Presumptive Certainty" status

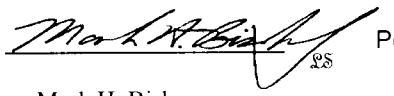
A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of Custody documentation for the data set?	Yes (X) No[1] ( )
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (X) No[1] ( )
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	Yes (X) No[1] ( ) Not Applicable ( )
D	***VPH and EPH Methods only***: Was the VPH and EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)	Yes ( ) No[1] ( )

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all QC performance standards and recommendations for the specified methods achieved?	Yes (X) No[1] ( )
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes (X) No[1] ( )

[1]*All NO answers must be addressed in an attached Environmental Laboratory case narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:  Position: Laboratory Director

Printed Name: Mark H. Bishop Date: 4/5/2006

STATEMENTS/CERTIFICATIONS REQUIRED BY THE NATIONAL ENVIRONMENTAL LABORATORY APPROVAL CONFERENCE (NELAC)

New England Testing Laboratory is certified under the National Environmental Laboratory Approval Program (NELAP). This certification requires the following statements and certifications be included in our report.

This report shall not be reproduced, except in full, without written approval of the laboratory.

New England Testing certifies that the test results contained within this report meet all NELAC requirements except as detailed in the Case Narrative section of this report.

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on March 28, 2006. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. The case number for this sample submission is R0328-08.

Custody records are included in this report.

Site: Kansas St.
COC# 2380

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
B-103 0-1'	3/28/06	Soil	Table II
B102 1-3'	3/28/06	Soil	Table II
B102 3-7'	3/28/06	Soil	Table II
B102 0-1'	3/28/06	Soil	Table II
B103 1-3'	3/28/06	Soil	Table II
B103 3-7'	3/28/06	Soil	Table II
99B 1-2'	3/28/06	Soil	Table II
B-99C 1-3'	3/28/06	Soil	Table II
99B 0-1'	3/28/06	Soil	Table II
B101 3-5'	3/28/06	Soil	Table II
B99A 0-1'	3/28/06	Soil	Table II
B99A 1-2'	3/28/06	Soil	Table II
B104 0-1'	3/28/06	Soil	Table II
B101 1-3'	3/28/06	Soil	Table II
B101 0-1'	3/28/06	Soil	Table II
B104 1-3'	3/28/06	Soil	Table II
B104 3-7'	3/28/06	Soil	Table II
B99C 0-1'	3/28/06	Soil	Table II

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
PCBs	3541	8082

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA.

CASE NARRATIVE:

Sample Receipt:

No sample for ms/msd/duplicate analysis was supplied. No field blank was supplied. This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits.)

The samples were all appropriately cooled and preserved upon receipt.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

PCBs:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Sample Results

RESULTS: PCBs

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

Sample: B103 0-1'		Analyst's Initials: DC
Case No.: R0328-08		
Date Collected: 3/28/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/31/06	4/1/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	389	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	65	19-139
DCBP	80	29-155

*Dry Weight Basis

Sample: B102 1-3'		Analyst's Initials: DC
Case No.: R0328-08		
Date Collected: 3/28/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/31/06	4/1/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	261	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	73	19-139
DCBP	83	29-155

*Dry Weight Basis

Sample: B102 3-7'		Analyst's Initials: DC
Case No.: R0328-08		
Date Collected: 3/28/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/31/06	4/1/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	9940	1000
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	70	19-139
DCBP	78	29-155

*Dry Weight Basis

Sample: B102 0-1'		Analyst's Initials: DC
Case No.: R0328-08		
Date Collected: 3/28/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/31/06	4/1/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	1430	400
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	105	19-139
DCBP	105	29-155

*Dry Weight Basis

Sample: B103 1-3'		Analyst's Initials: DC
Case No.: R0328-08		
Date Collected: 3/28/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/31/06	4/1/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	10500	2000
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	73	19-139
DCBP	75	29-155

*Dry Weight Basis

Sample: B103 3-7'		Analyst's Initials: DC
Case No.: R0328-08		
Date Collected: 3/28/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/31/06	4/1/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	2830	400
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	85	19-139
DCBP	78	29-155

*Dry Weight Basis

Sample: 99B 1-2'		Analyst's Initials: DC
Case No.: R0328-08		
Date Collected: 3/28/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/31/06	4/1/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	80	19-139
DCBP	80	29-155

*Dry Weight Basis

Sample: B-99C 1-3'		Analyst's Initials: DC
Case No.: R0328-08		
Date Collected: 3/28/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/31/06	4/1/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	175	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	83	19-139
DCBP	80	29-155

*Dry Weight Basis

Sample: 99B 0-1'		Analyst's Initials: DC
Case No.: R0328-08		
Date Collected: 3/28/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/31/06	4/1/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	7240	1000
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	65	19-139
DCBP	83	29-155

*Dry Weight Basis

Sample: B101 3-5'		Analyst's Initials: DC
Case No.: R0328-08		
Date Collected: 3/28/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/31/06	4/1/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	6780	1000
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	88	19-139
DCBP	83	29-155

*Dry Weight Basis

Sample: B99A 0-1'		Analyst's Initials: DC
Case No.: R0328-08		
Date Collected: 3/28/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/31/06	4/1/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	1770	400
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	110	19-139
DCBP	105	29-155

*Dry Weight Basis

Sample: B99A 1-2'		Analyst's Initials: DC
Case No.: R0328-08		
Date Collected: 3/28/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/31/06	4/1/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	251	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	85	19-139
DCBP	83	29-155

*Dry Weight Basis

Sample: B104 0-1'		Analyst's Initials: DC
Case No.: R0328-08		
Date Collected: 3/28/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/31/06	4/1/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	70	19-139
DCBP	60	29-155

*Dry Weight Basis

Sample: B101 1-3'		Analyst's Initials: DC
Case No.: R0328-08		
Date Collected: 3/28/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/31/06	4/1/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	232	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	80	19-139
DCBP	73	29-155

*Dry Weight Basis

Sample: B101 0-1'		Analyst's Initials: DC
Case No.: R0328-08		
Date Collected: 3/28/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/31/06	4/1/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	3710	500
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	83	19-139
DCBP	80	29-155

*Dry Weight Basis

Sample: B104 1-3'		Analyst's Initials: DC
Case No.: R0328-08		
Date Collected: 3/28/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/31/06	4/1/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	73	19-139
DCBP	70	29-155

*Dry Weight Basis

Sample: B104 3-7'		Analyst's Initials: DC
Case No.: R0328-08		
Date Collected: 3/28/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/31/06	4/1/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	73	19-139
DCBP	60	29-155

*Dry Weight Basis

Sample: B99C 0-1'		Analyst's Initials: DC
Case No.: R0328-08		
Date Collected: 3/28/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/31/06	4/1/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	21200	5000
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	78	19-139
DCBP	78	29-155

*Dry Weight Basis

Sample: Method Blank		Analyst's Initials: DC
Case No.: R0328-08		
Date Collected: NA		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/31/06	4/1/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg (ppb)	Reporting Limit
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	73	19-139
DCBP	75	29-155

PCB Laboratory Control Spike

Sample Matrix: Soil			Analyst:	DC
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3541	3/31/06			3/31/06
Analytical Method: EPA 8082				
Compound	Amount Spiked mg/kg	Result mg/kg	Recovery %	Recovery Limits
1248-1	0.5	0.43	86	40-140
Surrogates:				
Compound	% Recovery	Limits		
TCMX	95	19-139		
DCBP	85	29-155		

Custody Records

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
Fax: (781) 449-1623

Turn Around Time: Normal
Due Date:

Project Name: KANSAS ST

COC# 2380

PO# 8312

Comments: R0328.08

Collected By: KD

Sample ID	Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 (PAH's)	VPH (TPH)	EPH (TPH)	RCRA 8 (Metal)	8080 (PCB)	Amrec Specs	Bardon Trimount	ESMI Specs	Asb. by PLM
B 101 3-5'	3/28	Soil		1								X				
B 99A 0-1'																
B 99A 1-2'																
B 104 0-1'																
B 101 1-3'																
B 101 0-1'																
B 104 1-3'																
B 104 3-7'																
B 99C 0-1'																

Relinquished By: [signature] Date/Time: 3/28/06

Received By: [signature] Date/Time: 3/28/06

Relinquished By: Date/Time:

Received By: Date/Time:

Relinquished By: Date/Time:

Received By: S. Sweeney Date/Time: 3/28/06 1530

GW=Ground Water S=Sediments/Soil WW=Waste Water

F/Formats/Misc Office Forms/Chain of Custody

NETLAB

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number R0119-08

Prepared for:

Attn: Kevin Doherty
Knoll Environmental
69 Wexford St.
Needham, MA 02194

Report Date: January 27, 2006

Lab # RI010

Electronic Copy

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

Total # of Pages: 26

ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: New England Testing Laboratory, Inc. Project #: 8306

Project Location: Kansas St. RTN[1]:

This form provides certifications for the following data set: R0119-08

Sample Matrices: Groundwater (X) Soil/Sediment (X) Drinking Water ( ) Other:

SW-846 Methods Used					
	8260B ( )	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )
	8082 (X)	8021B ( )	EPH ( )	7000 S[3] ( )	Other: ( )

1 List Release Tracking Number (RTN), if known
2 M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S – SW-846 Methods 7000 Series List individual method and analyte

An affirmative response to questions A, B, and C is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of Custody documentation for the data set?	Yes (X) No[1] ( )
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (X) No[1] ( )
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	Yes (X) No[1] ( ) Not Applicable ( )
D	***VPH and EPH Methods only***: Was the VPH and EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)	Yes ( ) No[1] ( )

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all QC performance standards and recommendations for the specified methods achieved?	Yes (X) No[1] ( )
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes (X) No[1] ( )

[1]*All NO answers must be addressed in an attached Environmental Laboratory case narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Position: Laboratory Director

Printed Name: Mark H. Bishop Date: 1/27/2006

STATEMENTS/CERTIFICATIONS REQUIRED BY THE NATIONAL ENVIRONMENTAL LABORATORY APPROVAL CONFERENCE (NELAC)

New England Testing Laboratory is certified under the National Environmental Laboratory Approval Program (NELAP). This certification requires the following statements and certifications be included in our report.

This report shall not be reproduced, except in full, without written approval of the laboratory.

New England Testing certifies that the test results contained within this report meet all NELAC requirements except as detailed in the Case Narrative section of this report.

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on January 19, 2006. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. The case number for this sample submission is R0119-08.

Custody records are included in this report.

Site: Kansas St
COC# 2374

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
B-95 0-12"	1/13/06	Soil	Table II
B-95 0-2'	1/13/06	Soil	Table II
B-96 0-12"	1/13/06	Soil	Table II
B-96 0-2'	1/13/06	Soil	Table II
B-97 0-12"	1/13/06	Soil	Table II
B-97 0-2'	1/13/06	Soil	Table II
B-98 0-12"	1/13/06	Soil	Table II
B-98 0-2'	1/13/06	Soil	Table II
B-99 0-12"	1/13/06	Soil	Table II
B-99 0-2'	1/13/06	Soil	Table II
B-100 2-4'	1/13/06	Soil	Table II
Knoll-19	1/19/06	Water	Table III

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
PCBs	3541	8082

TABLE III, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
PCBs	3510C	8082

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA.

CASE NARRATIVE:

Sample Receipt:

No sample for ms/msd/duplicate analysis was supplied. No field blank was supplied. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits.)

The samples were all appropriately cooled and preserved upon receipt.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

PCBs:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Sample Results

RESULTS: PCBs

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

Sample: B-95 0-12"		Analyst's Initials: DC
Case No.: R0119-08		
Date Collected: 1/13/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/25/06	1/27/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
PCB-1016	N.D.	100
PCB-1221	N.D.	200
PCB-1232	N.D.	100
PCB-1242	N.D.	100
PCB-1248	N.D.	100
PCB-1254	1170	100
PCB-1260	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	73	19-139
DCBP	75	29-155

*Dry Weight Basis

Sample: B-95 0-2'		Analyst's Initials: DC
Case No.: R0119-08		
Date Collected: 1/13/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/25/06	1/27/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
PCB-1016	N.D.	100
PCB-1221	N.D.	200
PCB-1232	N.D.	100
PCB-1242	N.D.	100
PCB-1248	N.D.	100
PCB-1254	1480	100
PCB-1260	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	85	19-139
DCBP	98	29-155

*Dry Weight Basis

Sample: B-96 0-12"		Analyst's Initials: DC
Case No.: R0119-08		
Date Collected: 1/13/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/25/06	1/27/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
PCB-1016	N.D.	100
PCB-1221	N.D.	200
PCB-1232	N.D.	100
PCB-1242	N.D.	100
PCB-1248	N.D.	100
PCB-1254	960	100
PCB-1260	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	85	19-139
DCBP	90	29-155

*Dry Weight Basis

Sample: B-96 0-2'		Analyst's Initials: DC
Case No.: R0119-08		
Date Collected: 1/13/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/25/06	1/27/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
PCB-1016	N.D.	100
PCB-1221	N.D.	200
PCB-1232	N.D.	100
PCB-1242	N.D.	100
PCB-1248	N.D.	100
PCB-1254	643	100
PCB-1260	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	83	19-139
DCBP	88	29-155

*Dry Weight Basis

Sample: B-97 0-12"		Analyst's Initials: DC
Case No.: R0119-08		
Date Collected: 1/13/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/25/06	1/27/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
PCB-1016	N.D.	100
PCB-1221	N.D.	200
PCB-1232	N.D.	100
PCB-1242	N.D.	100
PCB-1248	N.D.	100
PCB-1254	N.D.	100
PCB-1260	345	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	85	19-139
DCBP	85	29-155

*Dry Weight Basis

Sample: B-97 0-2'		Analyst's Initials: DC
Case No.: R0119-08		
Date Collected: 1/13/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/25/06	1/27/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
PCB-1016	N.D.	100
PCB-1221	N.D.	200
PCB-1232	N.D.	100
PCB-1242	N.D.	100
PCB-1248	N.D.	100
PCB-1254	N.D.	100
PCB-1260	271	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	88	19-139
DCBP	93	29-155

*Dry Weight Basis

Sample: B-98 0-12"		Analyst's Initials: DC
Case No.: R0119-08		
Date Collected: 1/13/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/25/06	1/27/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
PCB-1016	N.D.	100
PCB-1221	N.D.	200
PCB-1232	N.D.	100
PCB-1242	N.D.	100
PCB-1248	N.D.	100
PCB-1254	101	100
PCB-1260	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	68	19-139
DCBP	73	29-155

*Dry Weight Basis

Sample: B-98 0-2'		Analyst's Initials: DC
Case No.: R0119-08		
Date Collected: 1/13/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/25/06	1/27/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
PCB-1016	N.D.	100
PCB-1221	N.D.	200
PCB-1232	N.D.	100
PCB-1242	N.D.	100
PCB-1248	N.D.	100
PCB-1254	143	100
PCB-1260	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	48	19-139
DCBP	48	29-155

*Dry Weight Basis

Sample: B-99 0-12"		Analyst's Initials: DC
Case No.: R0119-08		
Date Collected: 1/13/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/25/06	1/27/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
PCB-1016	N.D.	2000
PCB-1221	N.D.	4000
PCB-1232	N.D.	2000
PCB-1242	N.D.	2000
PCB-1248	N.D.	2000
PCB-1254	18400	2000
PCB-1260	N.D.	2000
Surrogates:		
Compound	% Recovery	Limits
TCMX	80	19-139
DCBP	100	29-155

*Dry Weight Basis

Sample: B-99 0-2'		Analyst's Initials: DC
Case No.: R0119-08		
Date Collected: 1/13/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/25/06	1/27/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
PCB-1016	N.D.	2000
PCB-1221	N.D.	4000
PCB-1232	N.D.	2000
PCB-1242	N.D.	2000
PCB-1248	N.D.	2000
PCB-1254	13900	2000
PCB-1260	N.D.	2000
Surrogates:		
Compound	% Recovery	Limits
TCMX	80	19-139
DCBP	98	29-155

*Dry Weight Basis

Sample: B-100 2-4'		Analyst's Initials: DC
Case No.: R0119-08		
Date Collected: 1/13/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/25/06	1/27/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
PCB-1016	N.D.	100
PCB-1221	N.D.	200
PCB-1232	N.D.	100
PCB-1242	N.D.	100
PCB-1248	N.D.	100
PCB-1254	431	100
PCB-1260	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	78	19-139
DCBP	88	29-155

*Dry Weight Basis

Sample: Method Blank		Analyst's Initials: DC
Case No.: R0119-08		
Date Collected: NA		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/25/06	1/27/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg (ppb)	Reporting Limit
PCB-1016	N.D.	100
PCB-1221	N.D.	200
PCB-1232	N.D.	100
PCB-1242	N.D.	100
PCB-1248	N.D.	100
PCB-1254	N.D.	100
PCB-1260	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	73	19-139
DCBP	78	29-155

PCB Laboratory Control Spike

Sample Matrix: Soil			Analyst:	DC
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3541	1/25/06			1/27/06
Analytical Method: EPA 8082				
Compound	Amount Spiked mg/kg	Result mg/kg	Recovery %	Recovery Limits
1232-1	0.25	0.24	96	40-140
Surrogates:				
Compound	% Recovery	Limits		
TCMX	78	19-139		
DCBP	83	29-155		

Sample: Knoll-19		Analyst's Initials: DC
Case No. R0119-08		
Date Collected: 1/19/06		
Sample Matrix: Water		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3510C	1/23/06	1/27/06
Analytical Method: EPA 8082		
Compound	Concentration ug/l (ppb)	Reporting Limit
PCB-1016	N.D.	0.2
PCB-1221	N.D.	0.4
PCB-1232	N.D.	0.2
PCB-1242	N.D.	0.2
PCB-1248	N.D.	0.2
PCB-1254	N.D.	0.2
PCB-1260	N.D.	0.2
Surrogates:		
Compound	% Recovery	Limits
TCMX	73	25-141
DCBP	80	41-156

Sample: Method Blank		Analyst's Initials: DC
Case No. R0119-08		
Date Collected: NA		
Sample Matrix: Water		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3510C	1/23/06	1/27/06
Analytical Method: EPA 8082		
Compound	Concentration ug/l (ppb)	Reporting Limit
PCB-1016	N.D.	0.2
PCB-1221	N.D.	0.4
PCB-1232	N.D.	0.2
PCB-1242	N.D.	0.2
PCB-1248	N.D.	0.2
PCB-1254	N.D.	0.2
PCB-1260	N.D.	0.2
Surrogates:		
Compound	% Recovery	Limits
TCMX	83	25-141
DCBP	78	41-156

PCB Laboratory Control Spike

Date Collected: NA			Analyst:	DC
Sample Matrix: Water				
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3510C	1/23/05			1/27/05
Analytical Method: EPA 8082				
Compound	Amount Spiked ug/l	Result ug/l	Recovery %	Recovery Limits
1232-1	0.50	0.36	72	40-140
Surrogates:	% Recovery	Limits		
TCMX	60	19-139		
DCBP	68	29-155		

Custody Records

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
Fax: (781) 449-1623

Turn Around Time: NORMAL
Due Date:

Project Name: KANSAS ST.

COC# 2374

PO# 8306

Comments: R0119.08

Collected By: JOD

Sample ID	Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 (PAH's)	VPH (TPH)	EPH (TPH)	RCRA 8 ☐Dissolved ☐Total	8080 (PCB)	Amrec Specs	Bardon Trimount	ESMI Specs	Asb. by PLM
B-95 0-12"	1.13.06	SOIL	—	1								X				
B-95 0-2'	"	"	—	1								X				
B-96 0-12"	"	"	—	1								X				
B-96 0-2'	"	"	—	1								X				
B-97 0-12"	"	"	—	1								X				
B-97 0-2'	"	"	—	1								X				
B-98 0-12"	"	"	—	1								X				
B-98 0-2'	"	"	—	1								X				
B-99 0-12"	↓	↓	—	1								X				

Relinquished By:	Date/Time:	Relinquished By:	Date/Time:	Relinquished By:	Date/Time:
	1.19.06				
Received By:	Date/Time:	Received By:	Date/Time:	Received By;	Date/Time:
	1/19/06	A Sweeny	1/19/06 1500		

GW=Ground Water S=Sediments/Soil WW=Waste Water

F/Formats/Misc Office Forms/Chain of Custody

Temp 4°

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
Fax: (781) 449-1623

Turn Around Time: Normal
Due Date:

Project Name: KANSAS ST

COC# 2374

PO# 8306

Comments: R0119-09 08 SS

Collected By: JAD

Sample ID	Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 (PAH's)	VPH (TPH)	EPH (TPH)	RCRA 8 ☐Dissolved ☐Total	8080 (PCB)	Amrec Specs	Bardon Trimount	ESMI Specs	Asb. by PLM
B-99 0-2	1.13.06	Soil	—	1								X				
B-100 2-4	1.13.06	Soil	—	1								X				
TRIP-19	1.19.06	H2O	—	1								X				

Relinquished By:	Date/Time:	Relinquished By:	Date/Time:	Relinquished By:	Date/Time:
	1.19.06				
Received By:	**Date/Time:**	**Received By:**	**Date/Time:**	**Received By;**	**Date/Time:**
	1/19/06	A Sweeney	1/19/06 1500		

GW=Ground Water S=Sediments/Soil WW=Waste Water

F/Formats/Misc Office Forms/Chain of Custody

NETLAB

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number R0119-08

Prepared for:

Attn: Kevin Doherty
Knoll Environmental
69 Wexford St.
Needham, MA 02194

Report Date: January 27, 2006

Lab # RI010

Electronic Copy

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

Total # of Pages: 26

ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: New England Testing Laboratory, Inc.	Project #: 8306
Project Location: Kansas St.	RTN[1]:
This form provides certifications for the following data set: R0119-08	
Sample Matrices: Groundwater (X) Soil/Sediment (X) Drinking Water ( ) Other:	

SW-846 Methods Used					
	8260B ( )	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )
	8082 (X)	8021B ( )	EPH ( )	7000 S[3] ( )	Other: ( )

1 List Release Tracking Number (RTN), if known
2 M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S – SW-846 Methods 7000 Series List individual method and analyte

An affirmative response to questions A, B, and C is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of Custody documentation for the data set?	Yes (X) No[1] ( )
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (X) No[1] ( )
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	Yes (X) No[1] ( ) Not Applicable ( )
D	***VPH and EPH Methods only***: Was the VPH and EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)	Yes ( ) No[1] ( )

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all QC performance standards and recommendations for the specified methods achieved?	Yes (X) No[1] ( )
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes (X) No[1] ( )

[1]All NO answers must be addressed in an attached Environmental Laboratory case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Mark H. Bishop ps Position: Laboratory Director

Printed Name: Mark H. Bishop Date: 1/27/2006

STATEMENTS/CERTIFICATIONS REQUIRED BY THE NATIONAL ENVIRONMENTAL LABORATORY APPROVAL CONFERENCE (NELAC)

New England Testing Laboratory is certified under the National Environmental Laboratory Approval Program (NELAP). This certification requires the following statements and certifications be included in our report.

This report shall not be reproduced, except in full, without written approval of the laboratory.

New England Testing certifies that the test results contained within this report meet all NELAC requirements except as detailed in the Case Narrative section of this report.

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on January 19, 2006. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. The case number for this sample submission is R0119-08.

Custody records are included in this report.

Site: Kansas St
COC# 2374

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
B-95 0-12"	1/13/06	Soil	Table II
B-95 0-2'	1/13/06	Soil	Table II
B-96 0-12"	1/13/06	Soil	Table II
B-96 0-2'	1/13/06	Soil	Table II
B-97 0-12"	1/13/06	Soil	Table II
B-97 0-2'	1/13/06	Soil	Table II
B-98 0-12"	1/13/06	Soil	Table II
B-98 0-2'	1/13/06	Soil	Table II
B-99 0-12"	1/13/06	Soil	Table II
B-99 0-2'	1/13/06	Soil	Table II
B-100 2-4'	1/13/06	Soil	Table II
Knoll-19	1/19/06	Water	Table III

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
PCBs	3541	8082

TABLE III, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
PCBs	3510C	8082

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA.

CASE NARRATIVE:

Sample Receipt:

No sample for ms/msd/duplicate analysis was supplied. No field blank was supplied. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits.)

The samples were all appropriately cooled and preserved upon receipt.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

PCBs:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Sample Results

RESULTS: PCBs

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

Sample: B-95 0-12"		Analyst's Initials: DC
Case No.: R0119-08		
Date Collected: 1/13/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/25/06	1/27/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
PCB-1016	N.D.	100
PCB-1221	N.D.	200
PCB-1232	N.D.	100
PCB-1242	N.D.	100
PCB-1248	N.D.	100
PCB-1254	1170	100
PCB-1260	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	73	19-139
DCBP	75	29-155

*Dry Weight Basis

Sample: B-95 0-2'		Analyst's Initials: DC
Case No.: R0119-08		
Date Collected: 1/13/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/25/06	1/27/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
PCB-1016	N.D.	100
PCB-1221	N.D.	200
PCB-1232	N.D.	100
PCB-1242	N.D.	100
PCB-1248	N.D.	100
PCB-1254	1480	100
PCB-1260	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	85	19-139
DCBP	98	29-155

*Dry Weight Basis

Sample: B-96 0-12"		Analyst's Initials: DC
Case No.: R0119-08		
Date Collected: 1/13/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/25/06	1/27/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
PCB-1016	N.D.	100
PCB-1221	N.D.	200
PCB-1232	N.D.	100
PCB-1242	N.D.	100
PCB-1248	N.D.	100
PCB-1254	960	100
PCB-1260	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	85	19-139
DCBP	90	29-155

*Dry Weight Basis

Sample: B-96 0-2'		Analyst's Initials: DC
Case No.: R0119-08		
Date Collected: 1/13/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/25/06	1/27/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
PCB-1016	N.D.	100
PCB-1221	N.D.	200
PCB-1232	N.D.	100
PCB-1242	N.D.	100
PCB-1248	N.D.	100
PCB-1254	643	100
PCB-1260	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	83	19-139
DCBP	88	29-155

*Dry Weight Basis

Sample: B-97 0-12"		Analyst's Initials: DC
Case No.: R0119-08		
Date Collected: 1/13/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/25/06	1/27/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
PCB-1016	N.D.	100
PCB-1221	N.D.	200
PCB-1232	N.D.	100
PCB-1242	N.D.	100
PCB-1248	N.D.	100
PCB-1254	N.D.	100
PCB-1260	345	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	85	19-139
DCBP	85	29-155

*Dry Weight Basis

Sample: B-97 0-2'		Analyst's Initials: DC
Case No.: R0119-08		
Date Collected: 1/13/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/25/06	1/27/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
PCB-1016	N.D.	100
PCB-1221	N.D.	200
PCB-1232	N.D.	100
PCB-1242	N.D.	100
PCB-1248	N.D.	100
PCB-1254	N.D.	100
PCB-1260	271	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	88	19-139
DCBP	93	29-155

*Dry Weight Basis

Sample: B-98 0-12"		Analyst's Initials: DC
Case No.: R0119-08		
Date Collected: 1/13/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/25/06	1/27/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
PCB-1016	N.D.	100
PCB-1221	N.D.	200
PCB-1232	N.D.	100
PCB-1242	N.D.	100
PCB-1248	N.D.	100
PCB-1254	101	100
PCB-1260	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	68	19-139
DCBP	73	29-155

*Dry Weight Basis

Sample: B-98 0-2'		Analyst's Initials: DC
Case No.: R0119-08		
Date Collected: 1/13/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/25/06	1/27/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
PCB-1016	N.D.	100
PCB-1221	N.D.	200
PCB-1232	N.D.	100
PCB-1242	N.D.	100
PCB-1248	N.D.	100
PCB-1254	143	100
PCB-1260	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	48	19-139
DCBP	48	29-155

*Dry Weight Basis

Sample: B-99 0-12"		Analyst's Initials: DC
Case No.: R0119-08		
Date Collected: 1/13/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/25/06	1/27/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
PCB-1016	N.D.	2000
PCB-1221	N.D.	4000
PCB-1232	N.D.	2000
PCB-1242	N.D.	2000
PCB-1248	N.D.	2000
PCB-1254	18400	2000
PCB-1260	N.D.	2000
Surrogates:		
Compound	% Recovery	Limits
TCMX	80	19-139
DCBP	100	29-155

*Dry Weight Basis

Sample: B-99 0-2'		Analyst's Initials: DC
Case No.: R0119-08		
Date Collected: 1/13/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/25/06	1/27/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
PCB-1016	N.D.	2000
PCB-1221	N.D.	4000
PCB-1232	N.D.	2000
PCB-1242	N.D.	2000
PCB-1248	N.D.	2000
PCB-1254	13900	2000
PCB-1260	N.D.	2000
Surrogates:		
Compound	% Recovery	Limits
TCMX	80	19-139
DCBP	98	29-155

*Dry Weight Basis

Sample: B-100 2-4'		Analyst's Initials: DC
Case No.: R0119-08		
Date Collected: 1/13/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/25/06	1/27/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
PCB-1016	N.D.	100
PCB-1221	N.D.	200
PCB-1232	N.D.	100
PCB-1242	N.D.	100
PCB-1248	N.D.	100
PCB-1254	431	100
PCB-1260	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	78	19-139
DCBP	88	29-155

*Dry Weight Basis

Sample: Method Blank		Analyst's Initials: DC
Case No.: R0119-08		
Date Collected: NA		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	1/25/06	1/27/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg (ppb)	Reporting Limit
PCB-1016	N.D.	100
PCB-1221	N.D.	200
PCB-1232	N.D.	100
PCB-1242	N.D.	100
PCB-1248	N.D.	100
PCB-1254	N.D.	100
PCB-1260	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	73	19-139
DCBP	78	29-155

PCB Laboratory Control Spike

Sample Matrix: Soil			Analyst:	DC
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3541	1/25/06			1/27/06
Analytical Method: EPA 8082				
Compound	Amount Spiked mg/kg	Result mg/kg	Recovery %	Recovery Limits
1232-1	0.25	0.24	96	40-140
Surrogates:				
Compound	% Recovery	Limits		
TCMX	78	19-139		
DCBP	83	29-155		

Sample: Knoll-19		Analyst's Initials: DC
Case No. R0119-08		
Date Collected: 1/19/06		
Sample Matrix: Water		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3510C	1/23/06	1/27/06
Analytical Method: EPA 8082		
Compound	Concentration ug/l (ppb)	Reporting Limit
PCB-1016	N.D.	0.2
PCB-1221	N.D.	0.4
PCB-1232	N.D.	0.2
PCB-1242	N.D.	0.2
PCB-1248	N.D.	0.2
PCB-1254	N.D.	0.2
PCB-1260	N.D.	0.2
Surrogates:		
Compound	% Recovery	Limits
TCMX	73	25-141
DCBP	80	41-156

Sample: Method Blank		Analyst's Initials: DC
Case No. R0119-08		
Date Collected: NA		
Sample Matrix: Water		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3510C	1/23/06	1/27/06
Analytical Method: EPA 8082		
Compound	Concentration ug/l (ppb)	Reporting Limit
PCB-1016	N.D.	0.2
PCB-1221	N.D.	0.4
PCB-1232	N.D.	0.2
PCB-1242	N.D.	0.2
PCB-1248	N.D.	0.2
PCB-1254	N.D.	0.2
PCB-1260	N.D.	0.2
Surrogates:		
Compound	% Recovery	Limits
TCMX	83	25-141
DCBP	78	41-156

PCB Laboratory Control Spike

Date Collected: NA			Analyst:	DC
Sample Matrix: Water				
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3510C	1/23/05			1/27/05
Analytical Method: EPA 8082				
Compound	Amount Spiked ug/l	Result ug/l	Recovery %	Recovery Limits
1232-1	0.50	0.36	72	40-140
Surrogates:	% Recovery	Limits		
TCMX	60	19-139		
DCBP	68	29-155		

Custody Records

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
Fax: (781) 449-1623

Turn Around Time: NORMAL
Due Date:

Project Name: KANSAS ST.

COC# 2374

PO# 3306

Comments: R0119.08

Collected By: JOD

Sample ID	Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 (PAH's)	VPH (TPH)	EPH (TPH)	RCRA 8 ☐Dissolved ☐Total	8080 (PCB)	Amrec Specs	Bardon Trimount	ESMI Specs	Asb. by PLM
B-95 0-12"	1.13.06	SOIL	—	1								X				
B-95 0-2'			—	1								X				
B-96 0-12"			—	1								X				
B-96 0-2'			—	1								X				
B-97 0-12"			—	1								X				
B-97 0-2'			—	1								X				
B-98 0-12"			—	1								X				
B-98 0-2'			—	1								X				
B-99 0-12"	↓	↓	—	1								X				

Relinquished By:	Date/Time:	Relinquished By:	Date/Time:	Relinquished By:	Date/Time:
	1.15.06				
Received By:	Date/Time:	Received By:	Date/Time:	Received By;	Date/Time:
	1/19/06	S Sweeny	1/19/06 1500		

GW=Ground Water S=Sediments/Soil WW=Waste Water

F/Formats/Misc Office Forms/Chain of Custody

Temp 4°

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
Fax: (781) 449-1623

Turn Around Time: NORM
Due Date:

Project Name: KANSAS ST

COC# 2374

PO# 8306

Comments: R0119-~~09~~ 08 SS

Collected By: JAD

Sample ID	Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 (PAH's)	VPH (TPH)	EPH (TPH)	RCRA 8 ☐Dissolved ☐Total	8080 (PCB)	Amrec Specs	Bardon Trimount	ESMI Specs	Asb. by PLM
B-99 0-2'	1.13.06	Soil	—	1								X				
B-100 2-4'	1.13.06	Soil	—	1								X				
~~EXB11~~-19	1.19.06	H2O	—	1								X				

Relinquished By:	Date/Time:	Relinquished By:	Date/Time:	Relinquished By:	Date/Time:
	1.19.06				
Received By:	Date/Time:	Received By:	Date/Time:	Received By;	Date/Time:
	1/19/06	S Sweeny	1/19/06 1500		

GW=Ground Water S=Sediments/Soil WW=Waste Water

F/Formats/Misc Office Forms/Chain of Custody

GeoLabs, Inc.

Environmental Laboratories

LABORATORY REPORT

PREPARED FOR:

Knoll Environmental, Inc.
69 Wexford Street
Needham, MA 02494

PROJECT ID: 100 Kansas

GEOLABS CERTIFICATION #: M-MA015

SAMPLE NUMBER: 0507247 (001-007)

DATE PREPARED: July 29, 2005

PREPARED BY: Karen Mullally

APPROVED BY:

Jim Chen, Laboratory Director

GeoLabs, Inc.
Environmental Laboratories

MADEP MCP Response Action Analytical Report Certification Form

Laboratory Name:	GeoLabs, Inc.	Project #:	100 Kansas
Project Location:	0	MADEP RTN:	

This form provides certifications for the following data set: 0507247 (001-007)

Sample matrices: Groundwater ( ) Soil / Sediment (x) Drinking Water ( ) Other ( )

MCP SW-846 Methods Used	8260B ( )	8151A ( )	8330 ( )	6010B ( )	7470/1A ( )	Other: ( )
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )	
	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )		

As specified in MADEP Compendium of Analytical Methods (Check all that apply)

1- List Release Tracking Number (RTN), if known
2- M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Metl
3- S - SW-846 Methods 7000 Series (List individual method and analyte)

An affirmative response to questions A, B, and C is required for "*Presumptive Certainty*" status

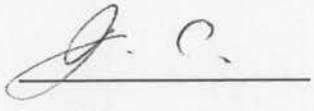
A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	Yes (x)	No[1] ( )
B	Were all QA/QC procedures required for the specified analytical method(included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (x)	No[1] ( )
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP documents CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	Yes (x)	No[1] ( )

A response to questions D and E below is required for "*Presumptive Certainty*" status

D	Were all QC performance standards and recommendations for the specified methods achieved?	Yes (x)	No[1] ( )
E	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes (x)	No[1] ( )

[1]All NO answeres must be addressed in an attached Environmental Laboratory case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:  Position: Lab Director

Printed Name: Jim Chen Date: July 29, 2005

GeoLabs, Inc.

Environmental Laboratories

Case Narrative

Project ID: 100 Kansas
Client Name: Knoll Environmental, Inc.

Sample Number: 0507247 (001-007)
Received: 07/22/05

Physical Condition of Samples

This project was received by the laboratory in satisfactory condition. The sample(s) were received undamaged, in appropriate containers with the correct preservation.

Project Documentation

This project was accompanied by satisfactory Chain of Custody documentation. The sample container label(s) agreed with the Chain of Custody.

Analysis of Sample(s)

No analytical anomalies or non-conformances were noted by the laboratory during the processing of these sample(s).

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**Knoll Environmental**	PROJECT ID:	100 Kansas
SAMPLE TYPE:	SOIL	REPORT DATE:	7/29/2005
COLLECTION DATE:	7/21/2005	ANALYZED BY:	GP
REC'D BY LAB:	7/22/2005	ANALYSIS DATE:	7/27/2005
COLLECTED BY:	CLIENT	EXTRACTION DATE:	7/25/2005

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	001	002	003
SAMPLE LOCATION:	91 (6"-2')	91 (9-10')	92 (6"-2')

	RESULTS (µg/Kg)			**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	ND	ND	50.0
Arochlor 1232	ND	ND	ND	50.0
Arochlor 1016/1242	ND	ND	ND	50.0
Arochlor 1248	ND	ND	ND	50.0
Arochlor 1254	ND	ND	ND	50.0
Arochlor 1260	ND	ND	ND	50.0
Arochlor 1262	ND	ND	ND	50.0
Arochlor 1268	ND	ND	ND	50.0
Recovery: (30-150%)				**Limit**
TCMX Signal 1	48%	42%	62%	30-150%
DCBP Signal 1	58%	94%	86%	30-150%
TCMX Signal 2	42%	42%	62%	30-150%
DCBP Signal 2	40%	48%	62%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**Knoll Environmental**	PROJECT ID:	100 Kansas
SAMPLE TYPE:	SOIL	REPORT DATE:	7/29/2005
COLLECTION DATE:	7/21/2005	ANALYZED BY:	GP
REC'D BY LAB:	7/22/2005	ANALYSIS DATE:	7/27/2005
COLLECTED BY:	CLIENT	EXTRACTION DATE:	7/25/2005

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	004	005	006
SAMPLE LOCATION:	92 (7-8')	93 (2"-2')	94 (6"-2')

	RESULTS (µg/Kg)			**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	ND	ND	50.0
Arochlor 1232	ND	ND	ND	50.0
Arochlor 1016/1242	ND	ND	ND	50.0
Arochlor 1248	ND	ND	ND	50.0
Arochlor 1254	ND	ND	ND	50.0
Arochlor 1260	ND	ND	ND	50.0
Arochlor 1262	ND	ND	ND	50.0
Arochlor 1268	ND	ND	ND	50.0
Recovery: (30-150%)				**Limit**
TCMX Signal 1	54%	46%	42%	30-150%
DCBP Signal 1	88%	48%	42%	30-150%
TCMX Signal 2	48%	42%	56%	30-150%
DCBP Signal 2	64%	40%	42%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**Knoll Environmental**	PROJECT ID:	100 Kansas
SAMPLE TYPE:	SOIL	REPORT DATE:	7/29/2005
COLLECTION DATE:	7/21/2005	ANALYZED BY:	GP
REC'D BY LAB:	7/22/2005	ANALYSIS DATE:	7/27/2005
COLLECTED BY:	CLIENT	EXTRACTION DATE:	7/25/2005

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	007
SAMPLE LOCATION:	94 (7-8')

	RESULTS (µg/Kg)	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	50.0
Arochlor 1232	ND	50.0
Arochlor 1016/1242	ND	50.0
Arochlor 1248	ND	50.0
Arochlor 1254	ND	50.0
Arochlor 1260	ND	50.0
Arochlor 1262	ND	50.0
Arochlor 1268	ND	50.0
Recovery: (30-150%)		**Limit**
TCMX Signal 1	54%	30-150%
DCBP Signal 1	102%	30-150%
TCMX Signal 2	50%	30-150%
DCBP Signal 2	64%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**Knoll Environmental**	PROJECT ID:	100 Kansas
SAMPLE TYPE:	SOIL	REPORT DATE:	7/29/2005
COLLECTION DATE:	7/21/2005	ANALYZED BY:	GP
REC'D BY LAB:	7/22/2005	ANALYSIS DATE:	7/27/2005
COLLECTED BY:	CLIENT	EXTRACTION DATE:	7/25/2005

PCB SOLID MCP QC SHEET

BLANK = ND **MDL = 50 µg/Kg**

	LCS %	MS	MSD	% Rec. Limits	RPD	LIMIT
Arochlor 1221	N/A	N/A	N/A	40-140	N/A	50
Arochlor 1232	N/A	N/A	N/A	40-140	N/A	50
Arochlor 1016	68	N/A	N/A	40-140	N/A	50
Arochlor 1248	N/A	N/A	N/A	40-140	N/A	50
Arochlor 1254	N/A	N/A	N/A	40-140	N/A	50
Arochlor 1260	71	N/A	N/A	40-140	N/A	50
SURROGATE: (30-150%)	**BLANK**	**LCS**				
TCMX SIGNAL 1	52%	50%				
DCBP SIGNAL 1	82%	90%				
TCMX SIGNAL 2	40%	44%				
DCBP SIGNAL 2	80%	58%				

GEOLABS, INC.
45 JOHNSON LANE
BRAINTREE, MA 02184

M-MA015

LIMITATIONS & EXCLUSIONS

All the professional opinions presented in this report are based solely on the scope of work conducted and sources referred to in our report. The data presented by GeoLabs in this report was collected and analyzed using generally accepted industry methods and practices at the time the report was generated. This report represents the conditions, locations and materials that were observed at the time the work was conducted. No inferences regarding other conditions, locations or materials, at a later or earlier time may be made based on the contents of the report. No other warranty, express or implied is made.

This report was prepared for the sole use of our client. Portions of the report may not be used independent of the entire report.

All analyses were performed within required holding times, in accordance with EPA protocols and using accepted QA/QC procedures. All QA/QC meets acceptable limits unless otherwise noted. The information contained in this report is, to the best of my knowledge, accurate and complete.

This lab report meets all requirements of NELAC unless otherwise noted.

Any and all subsequent pages of this report are chain(s) of custody.

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
Fax: (781) 449-1623

Turn Around Time: 5-DAY
Due Date:

Project Name: KANSAS

COC# 100

PO# 100

Comments:

Collected By: JOD

Sample ID	Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 (PAH's)	VPH (TPH)	EPH (TPH)	RCRA 8 ☐Dissolved ☐Total	8080 (PCB)	Amrec Specs	Bardon Trimount	ESMI Specs	Asb. by PLM
91 (6'-7')	7.21	SOIL	—	1								X		7247	-001	
91 (9-10')			—	1								X			-002	
92 (6'-7')			—	1								X			-003	
92 (7-8')			—	1								X			-004	
93 (6'-7')			—	1								X			-005	
94 (6'-7')			—	1								X			-006	
94 (7-8')	↓	↓	—	1								X			-007	

Relinquished By:	Date/Time:	Relinquished By:	Date/Time:	Relinquished By:	Date/Time:
JOD	7.21.05	KM	7.22.05 2:30		
Received By:	**Date/Time:**	**Received By:**	**Date/Time:**	**Received By:**	**Date/Time:**
Kenth Gunn	7/22/05 1:35		7/22 1534		

GW=Ground Water S=Sediments/Soil WW=Waste Water

Rec'd extra sample 93 6'-7'
called client

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
Fax: (781) 449-1623

Turn Around Time: 5-DAY
Due Date:

Project Name: KANSAS

COC# 100

PO# 100

Comments:

Collected By: JOD

Sample ID	Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 (PAH's)	VPH (TPH)	EPH (TPH)	RCRA 8 ☐Dissolved ☐Total	8080 (PCB)	Amrec Specs	Bardon Trimount	ESMI Specs	Asb. by PLM
91 (6'-7')	7.21	SOIL	—	1								X		7247	-001	
91 (9-10')	↓	↓	—	1								X			-002	
92 (6'-7')			—	1								X			-003	
92 (7-8')			—	1								X			-004	
93 (6'-7')			—	1								X			-005	
94 (6'-7')			—	1								X			-006	
94 (7-8')	↓	↓	—	1								X			-007	

Relinquished By: Date/Time: 7.21.05

Relinquished By: Date/Time: 7.22.05 2:30

Relinquished By: Date/Time:

Received By: Date/Time: 7/22/05 1:35

Received By: Date/Time: 7/22 1534

Received By; Date/Time:

GW=Ground Water S=Sediments/Soil WW=Waste Water

Rec'd extra sample 93 6'-7'
called client

F/Formats/Misc Office Forms/Chain of Custody

Tuesday, July 05, 2005

Momin
Knoll Environmental
69 Wexford St
Needham, MA 02494-2925

TEL: (857) 231-6179
FAX (781) 449-1623

RE: #95, 2 Kansas St

Order No.: 0506407

Dear Momin:

GeoLabs, Inc. received 20 sample(s) on 6/30/2005 for the analyses presented in the following report.

There were no problems with the analyses and all data for associated QC met EPA or laboratory specifications except where noted in the Case Narrative.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Jim Chen
Laboratory Director

GeoLabs, Inc.

Date: *06-Jul-05*

CLIENT: Knoll Environmental
Project: #95, 2 Kansas St
Lab Order: 0506407

CASE NARRATIVE

MADEP MCP Response Action Analytical Report Certification Form

Laboratory Name: GeoLabs, Inc. Project #
Project Location: MADEP RTN #:

This form provides certification for the following data set:

Sample Matrix:

MCP SW-846 Methods Used:

An affirmative answer to questions A, B and C are required for "Presumptive Certainty" status

A. Were all samples received by the laboratory in a condition consistent with that described on the Chain of custody documentation for the data set? YES

B. Were all QA/QC procedures required for the specified method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate standards or guidelines? YES

C. Does the analytical data included in this report meet all the requirements for "Presumptive Certainty" as described in Section 2.0 of the MADEP documents CAM VII A "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"? YES

A response to questions D and E are required for "Presumptive Certainty" status

D. Were all QC performance standards and recommendations for the specified methods achieved? YES
E. Were results for all analyte-list compounds/elements for the specified method(s) reported? YES

All NO answers need to be addressed in an attached Environmental Laboratory case narrative.

CASE NARRATIVE

Physical Condition of Samples

The project was received by the laboratory in satisfactory condition. The sample(s) were received undamaged, in appropriate containers with the correct preservation.

Project Documentation

CLIENT:	Knoll Environmental
Project:	#95, 2 Kansas St
Lab Order:	0506407

CASE NARRATIVE

The project was accompanied by satisfactory Chain of Custody documentation.

Analysis of Sample(s)

No analytical anomalies or non-conformances were noted by the laboratory during the processing of these samples.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to he best of my knowledge and belief, accurate and complete.

Signature: Position: Lab Director

Printed Name: Jim Chen Date:

GeoLabs, Inc.

Date: *06-Jul-05*

CLIENT:	Knoll Environmental	**Client Sample ID:**	81 (1-6)
Lab Order:	0506407	**Tag Number:**	
Project:	#95, 2 Kansas St	**Collection Date:**	6/27/2005
Lab ID:	0506407-001A **Date Received:** 6/30/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		**SW8082**		**(SW3550)**		Analyst: **GP**
Aroclor 1016	ND	11.8		µg/Kg-dry	5	7/2/2005
Aroclor 1221	ND	11.8		µg/Kg-dry	5	7/2/2005
Aroclor 1232	ND	11.8		µg/Kg-dry	5	7/2/2005
Aroclor 1248	ND	11.8		µg/Kg-dry	5	7/2/2005
Aroclor 1254	1310	11.8		µg/Kg-dry	5	7/2/2005
Aroclor 1260	ND	11.8		µg/Kg-dry	5	7/2/2005
Aroclor 1262	ND	11.8		µg/Kg-dry	5	7/2/2005
Aroclor 1268	ND	11.8		µg/Kg-dry	5	7/2/2005
Surr: Decachlorobiphenyl Signal 1	118	30-150		%REC	5	7/2/2005
Surr: Decachlorobiphenyl Signal 2	86.0	30-150		%REC	5	7/2/2005
Surr: Tetrachloro-m-xylene Signal	75.3	30-150		%REC	5	7/2/2005
Surr: Tetrachloro-m-xylene Signal	53.8	30-150		%REC	5	7/2/2005

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

GeoLabs, Inc.

Date: *06-Jul-05*

CLIENT:	Knoll Environmental	**Client Sample ID:**	81 (6-12)
Lab Order:	0506407	**Tag Number:**	
Project:	#95, 2 Kansas St	**Collection Date:**	6/27/2005
Lab ID:	0506407-002A	**Date Received:** 6/30/2005	**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		**SW8082**		**(SW3550)**		Analyst: **GP**
Aroclor 1016	ND	2.22		µg/Kg-dry	1	7/2/2005
Aroclor 1221	ND	2.22		µg/Kg-dry	1	7/2/2005
Aroclor 1232	ND	2.22		µg/Kg-dry	1	7/2/2005
Aroclor 1248	ND	2.22		µg/Kg-dry	1	7/2/2005
Aroclor 1254	ND	2.22		µg/Kg-dry	1	7/2/2005
Aroclor 1260	ND	2.22		µg/Kg-dry	1	7/2/2005
Aroclor 1262	ND	2.22		µg/Kg-dry	1	7/2/2005
Aroclor 1268	ND	2.22		µg/Kg-dry	1	7/2/2005
Surr: Decachlorobiphenyl Signal 1	64.0	30-150		%REC	1	7/2/2005
Surr: Decachlorobiphenyl Signal 2	60.0	30-150		%REC	1	7/2/2005
Surr: Tetrachloro-m-xylene Signal	80.0	30-150		%REC	1	7/2/2005
Surr: Tetrachloro-m-xylene Signal	44.0	30-150		%REC	1	7/2/2005

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

GeoLabs, Inc.

Date: *06-Jul-05*

CLIENT:	Knoll Environmental	**Client Sample ID:**	82 (1-4)
Lab Order:	0506407	**Tag Number:**	
Project:	#95, 2 Kansas St	**Collection Date:**	6/27/2005
Lab ID:	0506407-003A	**Date Received:** 6/30/2005	**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		**SW8082**		**(SW3550)**		Analyst: **GP**
Aroclor 1016	ND	22.5		µg/Kg-dry	10	7/2/2005
Aroclor 1221	ND	22.5		µg/Kg-dry	10	7/2/2005
Aroclor 1232	ND	22.5		µg/Kg-dry	10	7/2/2005
Aroclor 1248	ND	22.5		µg/Kg-dry	10	7/2/2005
Aroclor 1254	4720	22.5	*	µg/Kg-dry	10	7/2/2005
Aroclor 1260	ND	22.5	*	µg/Kg-dry	10	7/2/2005
Aroclor 1262	ND	22.5		µg/Kg-dry	10	7/2/2005
Aroclor 1268	ND	22.5		µg/Kg-dry	10	7/2/2005
Surr: Decachlorobiphenyl Signal 1	80.1	30-150		%REC	10	7/2/2005
Surr: Decachlorobiphenyl Signal 2	80.1	30-150		%REC	10	7/2/2005
Surr: Tetrachloro-m-xylene Signal	80.1	30-150		%REC	10	7/2/2005
Surr: Tetrachloro-m-xylene Signal	60.1	30-150		%REC	10	7/2/2005

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

GeoLabs, Inc.

Date: *06-Jul-05*

CLIENT:	Knoll Environmental	**Client Sample ID:**	82 (4-6)
Lab Order:	0506407	**Tag Number:**	
Project:	#95, 2 Kansas St	**Collection Date:**	6/27/2005
Lab ID:	0506407-004A	**Date Received:** 6/30/2005	**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		**SW8082**		**(SW3550)**		Analyst: **GP**
Aroclor 1016	ND	2.17		µg/Kg-dry	1	7/2/2005
Aroclor 1221	ND	2.17		µg/Kg-dry	1	7/2/2005
Aroclor 1232	ND	2.17		µg/Kg-dry	1	7/2/2005
Aroclor 1248	ND	2.17		µg/Kg-dry	1	7/2/2005
Aroclor 1254	ND	2.17		µg/Kg-dry	1	7/2/2005
Aroclor 1260	ND	2.17		µg/Kg-dry	1	7/2/2005
Aroclor 1262	ND	2.17		µg/Kg-dry	1	7/2/2005
Aroclor 1268	ND	2.17		µg/Kg-dry	1	7/2/2005
Surr: Decachlorobiphenyl Signal 1	78.0	30-150		%REC	1	7/2/2005
Surr: Decachlorobiphenyl Signal 2	78.0	30-150		%REC	1	7/2/2005
Surr: Tetrachloro-m-xylene Signal	42.0	30-150		%REC	1	7/2/2005
Surr: Tetrachloro-m-xylene Signal	40.0	30-150		%REC	1	7/2/2005

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

GeoLabs, Inc.

Date: *06-Jul-05*

CLIENT:	Knoll Environmental	**Client Sample ID:**	83 (8"-3)
Lab Order:	0506407	**Tag Number:**	
Project:	#95, 2 Kansas St	**Collection Date:**	6/27/2005
Lab ID:	0506407-005A	**Date Received:** 6/30/2005	**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		**SW8082**		**(SW3550)**		Analyst: **GP**
Aroclor 1016	ND	123		µg/Kg-dry	50	7/2/2005
Aroclor 1221	ND	123		µg/Kg-dry	50	7/2/2005
Aroclor 1232	ND	123		µg/Kg-dry	50	7/2/2005
Aroclor 1248	ND	123		µg/Kg-dry	50	7/2/2005
Aroclor 1254	16100	123	*	µg/Kg-dry	50	7/2/2005
Aroclor 1260	ND	123	*	µg/Kg-dry	50	7/2/2005
Aroclor 1262	ND	123		µg/Kg-dry	50	7/2/2005
Aroclor 1268	ND	123		µg/Kg-dry	50	7/2/2005
Surr: Decachlorobiphenyl Signal 1	100	30-150		%REC	50	7/2/2005
Surr: Decachlorobiphenyl Signal 2	100	30-150		%REC	50	7/2/2005
Surr: Tetrachloro-m-xylene Signal	100	30-150		%REC	50	7/2/2005
Surr: Tetrachloro-m-xylene Signal	100	30-150		%REC	50	7/2/2005

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

GeoLabs, Inc.

Date: *06-Jul-05*

CLIENT:	Knoll Environmental	**Client Sample ID:**	83 (3-5)
Lab Order:	0506407	**Tag Number:**	
Project:	#95, 2 Kansas St	**Collection Date:**	6/27/2005
Lab ID:	0506407-006A	**Date Received:** 6/30/2005	**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		**SW8082**		**(SW3550)**		Analyst: **GP**
Aroclor 1016	ND	12.5		µg/Kg-dry	5	7/2/2005
Aroclor 1221	ND	12.5		µg/Kg-dry	5	7/2/2005
Aroclor 1232	ND	12.5		µg/Kg-dry	5	7/2/2005
Aroclor 1248	ND	12.5		µg/Kg-dry	5	7/2/2005
Aroclor 1254	2570	12.5	*	µg/Kg-dry	5	7/2/2005
Aroclor 1260	ND	12.5	*	µg/Kg-dry	5	7/2/2005
Aroclor 1262	ND	12.5		µg/Kg-dry	5	7/2/2005
Aroclor 1268	ND	12.5		µg/Kg-dry	5	7/2/2005
Surr: Decachlorobiphenyl Signal 1	64.5	30-150		%REC	5	7/2/2005
Surr: Decachlorobiphenyl Signal 2	53.8	30-150		%REC	5	7/2/2005
Surr: Tetrachloro-m-xylene Signal	64.5	30-150		%REC	5	7/2/2005
Surr: Tetrachloro-m-xylene Signal	53.8	30-150		%REC	5	7/2/2005

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

GeoLabs, Inc.

Date: *06-Jul-05*

CLIENT:	Knoll Environmental	**Client Sample ID:**	84 (6"-1)
Lab Order:	0506407	**Tag Number:**	
Project:	#95, 2 Kansas St	**Collection Date:**	6/27/2005
Lab ID:	0506407-007A	**Date Received:** 6/30/2005	**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		**SW8082**		**(SW3550)**		Analyst: **GP**
Aroclor 1016	ND	2.25		µg/Kg-dry	1	7/2/2005
Aroclor 1221	ND	2.25		µg/Kg-dry	1	7/2/2005
Aroclor 1232	ND	2.25		µg/Kg-dry	1	7/2/2005
Aroclor 1248	ND	2.25		µg/Kg-dry	1	7/2/2005
Aroclor 1254	427	2.25		µg/Kg-dry	1	7/2/2005
Aroclor 1260	ND	2.25		µg/Kg-dry	1	7/2/2005
Aroclor 1262	ND	2.25		µg/Kg-dry	1	7/2/2005
Aroclor 1268	ND	2.25		µg/Kg-dry	1	7/2/2005
Surr: Decachlorobiphenyl Signal 1	78.0	30-150		%REC	1	7/2/2005
Surr: Decachlorobiphenyl Signal 2	76.0	30-150		%REC	1	7/2/2005
Surr: Tetrachloro-m-xylene Signal	46.0	30-150		%REC	1	7/2/2005
Surr: Tetrachloro-m-xylene Signal	44.0	30-150		%REC	1	7/2/2005

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

GeoLabs, Inc.

Date: *06-Jul-05*

CLIENT:	Knoll Environmental	**Client Sample ID:**	84 (4-5)
Lab Order:	0506407	**Tag Number:**	
Project:	#95, 2 Kansas St	**Collection Date:**	6/27/2005
Lab ID:	0506407-008A	**Date Received:** 6/30/2005	**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		**SW8082**		**(SW3550)**		Analyst: **GP**
Aroclor 1016	ND	4.65		µg/Kg-dry	1	7/2/2005
Aroclor 1221	ND	4.65		µg/Kg-dry	1	7/2/2005
Aroclor 1232	ND	4.65		µg/Kg-dry	1	7/2/2005
Aroclor 1248	ND	4.65		µg/Kg-dry	1	7/2/2005
Aroclor 1254	ND	4.65		µg/Kg-dry	1	7/2/2005
Aroclor 1260	ND	4.65		µg/Kg-dry	1	7/2/2005
Aroclor 1262	ND	4.65		µg/Kg-dry	1	7/2/2005
Aroclor 1268	ND	4.65		µg/Kg-dry	1	7/2/2005
Surr: Decachlorobiphenyl Signal 1	52.0	30-150		%REC	1	7/2/2005
Surr: Decachlorobiphenyl Signal 2	52.0	30-150		%REC	1	7/2/2005
Surr: Tetrachloro-m-xylene Signal	48.0	30-150		%REC	1	7/2/2005
Surr: Tetrachloro-m-xylene Signal	40.0	30-150		%REC	1	7/2/2005

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

GeoLabs, Inc.

Date: *06-Jul-05*

CLIENT:	Knoll Environmental	**Client Sample ID:**	84 (5-10)
Lab Order:	0506407	**Tag Number:**	
Project:	#95, 2 Kansas St	**Collection Date:**	6/27/2005
Lab ID:	0506407-009A	**Date Received:** 6/30/2005	**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		**SW8082**		**(SW3550)**		Analyst: **GP**
Aroclor 1016	ND	2.08		µg/Kg-dry	1	7/2/2005
Aroclor 1221	ND	2.08		µg/Kg-dry	1	7/2/2005
Aroclor 1232	ND	2.08		µg/Kg-dry	1	7/2/2005
Aroclor 1248	ND	2.08		µg/Kg-dry	1	7/2/2005
Aroclor 1254	ND	2.08		µg/Kg-dry	1	7/2/2005
Aroclor 1260	ND	2.08		µg/Kg-dry	1	7/2/2005
Aroclor 1262	ND	2.08		µg/Kg-dry	1	7/2/2005
Aroclor 1268	ND	2.08		µg/Kg-dry	1	7/2/2005
Surr: Decachlorobiphenyl Signal 1	78.0	30-150		%REC	1	7/2/2005
Surr: Decachlorobiphenyl Signal 2	76.0	30-150		%REC	1	7/2/2005
Surr: Tetrachloro-m-xylene Signal	42.0	30-150		%REC	1	7/2/2005
Surr: Tetrachloro-m-xylene Signal	40.0	30-150		%REC	1	7/2/2005

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

GeoLabs, Inc.

Date: *06-Jul-05*

CLIENT:	Knoll Environmental	**Client Sample ID:**	85 (6"-1)
Lab Order:	0506407	**Tag Number:**	
Project:	#95, 2 Kansas St	**Collection Date:**	6/27/2005
Lab ID:	0506407-010A	**Date Received:** 6/30/2005	**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		**SW8082**		**(SW3550)**		Analyst: **GP**
Aroclor 1016	ND	2.53		µg/Kg-dry	1	7/2/2005
Aroclor 1221	ND	2.53		µg/Kg-dry	1	7/2/2005
Aroclor 1232	ND	2.53		µg/Kg-dry	1	7/2/2005
Aroclor 1248	ND	2.53		µg/Kg-dry	1	7/2/2005
Aroclor 1254	186	2.53		µg/Kg-dry	1	7/2/2005
Aroclor 1260	ND	2.53		µg/Kg-dry	1	7/2/2005
Aroclor 1262	ND	2.53		µg/Kg-dry	1	7/2/2005
Aroclor 1268	ND	2.53		µg/Kg-dry	1	7/2/2005
Surr: Decachlorobiphenyl Signal 1	78.0	30-150		%REC	1	7/2/2005
Surr: Decachlorobiphenyl Signal 2	102	30-150		%REC	1	7/2/2005
Surr: Tetrachloro-m-xylene Signal	44.0	30-150		%REC	1	7/2/2005
Surr: Tetrachloro-m-xylene Signal	44.0	30-150		%REC	1	7/2/2005

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

GeoLabs, Inc.

Date: *06-Jul-05*

CLIENT:	Knoll Environmental	**Client Sample ID:**	85 (4-5)
Lab Order:	0506407	**Tag Number:**	
Project:	#95, 2 Kansas St	**Collection Date:**	6/27/2005
Lab ID:	0506407-011A	**Date Received:** 6/30/2005	**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		**SW8082**		**(SW3550)**		Analyst: **GP**
Aroclor 1016	ND	2.74		µg/Kg-dry	1	7/2/2005
Aroclor 1221	ND	2.74		µg/Kg-dry	1	7/2/2005
Aroclor 1232	ND	2.74		µg/Kg-dry	1	7/2/2005
Aroclor 1248	ND	2.74		µg/Kg-dry	1	7/2/2005
Aroclor 1254	ND	2.74		µg/Kg-dry	1	7/2/2005
Aroclor 1260	ND	2.74		µg/Kg-dry	1	7/2/2005
Aroclor 1262	ND	2.74		µg/Kg-dry	1	7/2/2005
Aroclor 1268	ND	2.74		µg/Kg-dry	1	7/2/2005
Surr: Decachlorobiphenyl Signal 1	102	30-150		%REC	1	7/2/2005
Surr: Decachlorobiphenyl Signal 2	86.0	30-150		%REC	1	7/2/2005
Surr: Tetrachloro-m-xylene Signal	50.0	30-150		%REC	1	7/2/2005
Surr: Tetrachloro-m-xylene Signal	40.0	30-150		%REC	1	7/2/2005

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

GeoLabs, Inc.

Date: *06-Jul-05*

CLIENT:	Knoll Environmental	**Client Sample ID:**	86 (1-5)
Lab Order:	0506407	**Tag Number:**	
Project:	#95, 2 Kansas St	**Collection Date:**	6/27/2005
Lab ID:	0506407-012A	**Date Received:** 6/30/2005	**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		**SW8082**		**(SW3550)**		Analyst: **GP**
Aroclor 1016	ND	2.35		µg/Kg-dry	1	7/2/2005
Aroclor 1221	ND	2.35		µg/Kg-dry	1	7/2/2005
Aroclor 1232	ND	2.35		µg/Kg-dry	1	7/2/2005
Aroclor 1248	ND	2.35		µg/Kg-dry	1	7/2/2005
Aroclor 1254	711	2.35		µg/Kg-dry	1	7/2/2005
Aroclor 1260	ND	2.35		µg/Kg-dry	1	7/2/2005
Aroclor 1262	ND	2.35		µg/Kg-dry	1	7/2/2005
Aroclor 1268	ND	2.35		µg/Kg-dry	1	7/2/2005
Surr: Decachlorobiphenyl Signal 1	110	30-150		%REC	1	7/2/2005
Surr: Decachlorobiphenyl Signal 2	100	30-150		%REC	1	7/2/2005
Surr: Tetrachloro-m-xylene Signal	48.0	30-150		%REC	1	7/2/2005
Surr: Tetrachloro-m-xylene Signal	44.0	30-150		%REC	1	7/2/2005

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

GeoLabs, Inc.

Date: *06-Jul-05*

CLIENT:	Knoll Environmental	**Client Sample ID:**	86 (5-10)
Lab Order:	0506407	**Tag Number:**	
Project:	#95, 2 Kansas St	**Collection Date:**	6/27/2005
Lab ID:	0506407-013A	**Date Received:** 6/30/2005	**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		**SW8082**		**(SW3550)**		Analyst: **GP**
Aroclor 1016	ND	2.22		µg/Kg-dry	1	7/2/2005
Aroclor 1221	ND	2.22		µg/Kg-dry	1	7/2/2005
Aroclor 1232	ND	2.22		µg/Kg-dry	1	7/2/2005
Aroclor 1248	ND	2.22		µg/Kg-dry	1	7/2/2005
Aroclor 1254	62.0	2.22		µg/Kg-dry	1	7/2/2005
Aroclor 1260	ND	2.22		µg/Kg-dry	1	7/2/2005
Aroclor 1262	ND	2.22		µg/Kg-dry	1	7/2/2005
Aroclor 1268	ND	2.22		µg/Kg-dry	1	7/2/2005
Surr: Decachlorobiphenyl Signal 1	72.0	30-150		%REC	1	7/2/2005
Surr: Decachlorobiphenyl Signal 2	92.0	30-150		%REC	1	7/2/2005
Surr: Tetrachloro-m-xylene Signal	40.0	30-150		%REC	1	7/2/2005
Surr: Tetrachloro-m-xylene Signal	40.0	30-150		%REC	1	7/2/2005

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

GeoLabs, Inc.

Date: *06-Jul-05*

CLIENT:	Knoll Environmental	**Client Sample ID:**	87 (1-6)
Lab Order:	0506407	**Tag Number:**	
Project:	#95, 2 Kansas St	**Collection Date:**	6/27/2005
Lab ID:	0506407-014A **Date Received:** 6/30/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		**SW8082**		**(SW3550)**		Analyst: **GP**
Aroclor 1016	ND	2.38		µg/Kg-dry	1	7/2/2005
Aroclor 1221	ND	2.38		µg/Kg-dry	1	7/2/2005
Aroclor 1232	ND	2.38		µg/Kg-dry	1	7/2/2005
Aroclor 1248	ND	2.38		µg/Kg-dry	1	7/2/2005
Aroclor 1254	450	2.38		µg/Kg-dry	1	7/2/2005
Aroclor 1260	ND	2.38		µg/Kg-dry	1	7/2/2005
Aroclor 1262	ND	2.38		µg/Kg-dry	1	7/2/2005
Aroclor 1268	ND	2.38		µg/Kg-dry	1	7/2/2005
Surr: Decachlorobiphenyl Signal 1	84.0	30-150		%REC	1	7/2/2005
Surr: Decachlorobiphenyl Signal 2	62.0	30-150		%REC	1	7/2/2005
Surr: Tetrachloro-m-xylene Signal	46.0	30-150		%REC	1	7/2/2005
Surr: Tetrachloro-m-xylene Signal	44.0	30-150		%REC	1	7/2/2005

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

GeoLabs, Inc.

Date: *06-Jul-05*

CLIENT:	Knoll Environmental	**Client Sample ID:**	87 (6-10)
Lab Order:	0506407	**Tag Number:**	
Project:	#95, 2 Kansas St	**Collection Date:**	6/27/2005
Lab ID:	0506407-015A	**Date Received:** 6/30/2005	**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		**SW8082**		**(SW3550)**		Analyst: **GP**
Aroclor 1016	ND	2.53		µg/Kg-dry	1	7/2/2005
Aroclor 1221	ND	2.53		µg/Kg-dry	1	7/2/2005
Aroclor 1232	ND	2.53		µg/Kg-dry	1	7/2/2005
Aroclor 1248	ND	2.53		µg/Kg-dry	1	7/2/2005
Aroclor 1254	ND	2.53		µg/Kg-dry	1	7/2/2005
Aroclor 1260	ND	2.53		µg/Kg-dry	1	7/2/2005
Aroclor 1262	ND	2.53		µg/Kg-dry	1	7/2/2005
Aroclor 1268	ND	2.53		µg/Kg-dry	1	7/2/2005
Surr: Decachlorobiphenyl Signal 1	100	30-150		%REC	1	7/2/2005
Surr: Decachlorobiphenyl Signal 2	70.0	30-150		%REC	1	7/2/2005
Surr: Tetrachloro-m-xylene Signal	56.0	30-150		%REC	1	7/2/2005
Surr: Tetrachloro-m-xylene Signal	42.0	30-150		%REC	1	7/2/2005

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

GeoLabs, Inc.

Date: *06-Jul-05*

CLIENT:	Knoll Environmental	**Client Sample ID:**	88 (1-6)
Lab Order:	0506407	**Tag Number:**	
Project:	#95, 2 Kansas St	**Collection Date:**	6/27/2005
Lab ID:	0506407-016A	**Date Received:** 6/30/2005	**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		**SW8082**		**(SW3550)**		Analyst: **GP**
Aroclor 1016	ND	2.63		µg/Kg-dry	1	7/2/2005
Aroclor 1221	ND	2.63		µg/Kg-dry	1	7/2/2005
Aroclor 1232	ND	2.63		µg/Kg-dry	1	7/2/2005
Aroclor 1248	ND	2.63		µg/Kg-dry	1	7/2/2005
Aroclor 1254	349	2.63		µg/Kg-dry	1	7/2/2005
Aroclor 1260	ND	2.63		µg/Kg-dry	1	7/2/2005
Aroclor 1262	ND	2.63		µg/Kg-dry	1	7/2/2005
Aroclor 1268	ND	2.63		µg/Kg-dry	1	7/2/2005
Surr: Decachlorobiphenyl Signal 1	62.0	30-150		%REC	1	7/2/2005
Surr: Decachlorobiphenyl Signal 2	64.0	30-150		%REC	1	7/2/2005
Surr: Tetrachloro-m-xylene Signal	48.0	30-150		%REC	1	7/2/2005
Surr: Tetrachloro-m-xylene Signal	44.0	30-150		%REC	1	7/2/2005

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

GeoLabs, Inc.

Date: *06-Jul-05*

CLIENT:	Knoll Environmental	**Client Sample ID:**	88 (6-10)
Lab Order:	0506407	**Tag Number:**	
Project:	#95, 2 Kansas St	**Collection Date:**	6/27/2005
Lab ID:	0506407-017A	**Date Received:** 6/30/2005	**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		**SW8082**		**(SW3550)**		Analyst: **GP**
Aroclor 1016	ND	2.44		µg/Kg-dry	1	7/2/2005
Aroclor 1221	ND	2.44		µg/Kg-dry	1	7/2/2005
Aroclor 1232	ND	2.44		µg/Kg-dry	1	7/2/2005
Aroclor 1248	ND	2.44		µg/Kg-dry	1	7/2/2005
Aroclor 1254	ND	2.44		µg/Kg-dry	1	7/2/2005
Aroclor 1260	ND	2.44		µg/Kg-dry	1	7/2/2005
Aroclor 1262	ND	2.44		µg/Kg-dry	1	7/2/2005
Aroclor 1268	ND	2.44		µg/Kg-dry	1	7/2/2005
Surr: Decachlorobiphenyl Signal 1	86.0	30-150		%REC	1	7/2/2005
Surr: Decachlorobiphenyl Signal 2	70.0	30-150		%REC	1	7/2/2005
Surr: Tetrachloro-m-xylene Signal	44.0	30-150		%REC	1	7/2/2005
Surr: Tetrachloro-m-xylene Signal	42.0	30-150		%REC	1	7/2/2005

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

GeoLabs, Inc.

Date: *06-Jul-05*

CLIENT:	Knoll Environmental	**Client Sample ID:**	89 (0-2)
Lab Order:	0506407	**Tag Number:**	
Project:	#95, 2 Kansas St	**Collection Date:**	6/27/2005
Lab ID:	0506407-018A	**Date Received:** 6/30/2005	**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		**SW8082**		**(SW3550)**		Analyst: **GP**
Aroclor 1016	ND	2.41		µg/Kg-dry	1	7/2/2005
Aroclor 1221	ND	2.41		µg/Kg-dry	1	7/2/2005
Aroclor 1232	ND	2.41		µg/Kg-dry	1	7/2/2005
Aroclor 1248	ND	2.41		µg/Kg-dry	1	7/2/2005
Aroclor 1254	190	2.41		µg/Kg-dry	1	7/2/2005
Aroclor 1260	ND	2.41		µg/Kg-dry	1	7/2/2005
Aroclor 1262	ND	2.41		µg/Kg-dry	1	7/2/2005
Aroclor 1268	ND	2.41		µg/Kg-dry	1	7/2/2005
Surr: Decachlorobiphenyl Signal 1	46.0	30-150		%REC	1	7/2/2005
Surr: Decachlorobiphenyl Signal 2	74.0	30-150		%REC	1	7/2/2005
Surr: Tetrachloro-m-xylene Signal	50.0	30-150		%REC	1	7/2/2005
Surr: Tetrachloro-m-xylene Signal	52.0	30-150		%REC	1	7/2/2005

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

GeoLabs, Inc.

Date: *06-Jul-05*

CLIENT:	Knoll Environmental	**Client Sample ID:**	89 (2-8)
Lab Order:	0506407	**Tag Number:**	
Project:	#95, 2 Kansas St	**Collection Date:**	6/27/2005
Lab ID:	0506407-019A	**Date Received:** 6/30/2005	**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		**SW8082**		**(SW3550)**		Analyst: **GP**
Aroclor 1016	ND	2.47		µg/Kg-dry	1	7/2/2005
Aroclor 1221	ND	2.47		µg/Kg-dry	1	7/2/2005
Aroclor 1232	ND	2.47		µg/Kg-dry	1	7/2/2005
Aroclor 1248	ND	2.47		µg/Kg-dry	1	7/2/2005
Aroclor 1254	70.0	2.47		µg/Kg-dry	1	7/2/2005
Aroclor 1260	ND	2.47		µg/Kg-dry	1	7/2/2005
Aroclor 1262	ND	2.47		µg/Kg-dry	1	7/2/2005
Aroclor 1268	ND	2.47		µg/Kg-dry	1	7/2/2005
Surr: Decachlorobiphenyl Signal 1	54.0	30-150		%REC	1	7/2/2005
Surr: Decachlorobiphenyl Signal 2	76.0	30-150		%REC	1	7/2/2005
Surr: Tetrachloro-m-xylene Signal	46.0	30-150		%REC	1	7/2/2005
Surr: Tetrachloro-m-xylene Signal	46.0	30-150		%REC	1	7/2/2005

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

GeoLabs, Inc.

Date: *06-Jul-05*

CLIENT:	Knoll Environmental	**Client Sample ID:**	89 (8-12)
Lab Order:	0506407	**Tag Number:**	
Project:	#95, 2 Kansas St	**Collection Date:**	6/27/2005
Lab ID:	0506407-020A	**Date Received:** 6/30/2005	**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
POLYCHLORINATED BIPHENYLS		**SW8082**		**(SW3550)**		Analyst: **GP**
Aroclor 1016	ND	2.33		µg/Kg-dry	1	7/2/2005
Aroclor 1221	ND	2.33		µg/Kg-dry	1	7/2/2005
Aroclor 1232	ND	2.33		µg/Kg-dry	1	7/2/2005
Aroclor 1248	ND	2.33		µg/Kg-dry	1	7/2/2005
Aroclor 1254	92.0	2.33		µg/Kg-dry	1	7/2/2005
Aroclor 1260	ND	2.33		µg/Kg-dry	1	7/2/2005
Aroclor 1262	ND	2.33		µg/Kg-dry	1	7/2/2005
Aroclor 1268	ND	2.33		µg/Kg-dry	1	7/2/2005
Surr: Decachlorobiphenyl Signal 1	78.0	30-150		%REC	1	7/2/2005
Surr: Decachlorobiphenyl Signal 2	78.0	30-150		%REC	1	7/2/2005
Surr: Tetrachloro-m-xylene Signal	44.0	30-150		%REC	1	7/2/2005
Surr: Tetrachloro-m-xylene Signal	44.0	30-150		%REC	1	7/2/2005

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
Fax: (781) 449-1623

Turn Around Time: NORMAL
Due Date:

Project Name: 2 Kansas St

COC# 95

PO# 95

Comments: run PCB per Kevin Doherty DR 6/30

Collected By: KD

0506407

Sample ID	Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 (PAH's)	VPH (TPH)	EPH (TPH)	RCRA 8 ☐Dissolved ☐Total	8080 (PCB)	Amrec Specs	Bardon Trimount	ESMI Specs	Asb. by PLM
81 (1'-6')	6.27.05	Soil	ice	1				6407	-001			X				
81 (6'-12')				1					-002			X				
82 (1'-4')				1					-003			X				
82 (4'-6')				1					-004			X				
83 (8"-3')				1					-005			X				
83 (3'-5')				1					-006			X				
84 (6"-1')				1					-007			X				
84 (4'-5')				1					-008			X				
84 (5'-10')				1					-009			X				

Relinquished By:	Date/Time:	Relinquished By:	Date/Time:	Relinquished By:	Date/Time:
Morrin	6.27.05	Kevin McKeown	6/28/05 11:10		
Received By:	**Date/Time:**	**Received By:**	**Date/Time:**	**Received By;**	**Date/Time:**
Kevin McKeown	6/28/05 10:50	Danielle Rega	6/28/05		

GW=Ground Water S=Sediments/Soil WW=Waste Water

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
Fax: (781) 449-1623

Turn Around Time: NORMAL
Due Date:

Project Name: 2 Kansas St

COC# 95

PO# 95

Comments: run PCB per Kevin Doherty DR 6/30

0506407

Collected By: KD

Sample ID	Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 (PAH's)	VPH (TPH)	EPH (TPH)	RCRA 8 ☐Dissolved ☐Total	8080 (PCB)	Amrec Specs	Bardon Trimount	ESMI Specs	Asb. by PLM
85 (6"-1')	6.27.05	Soil	ice	1					6407	-010		X				
85 (4-5')				1						-011		X				
86 (1'-5')				1						-012		X				
86 (5'-10')				1						-013		X				
87 (1'-6')				1						-014		X				
87 (6'-10')				1						-015		X				
88 (1'-6')				1						-016		X				
88 (6'-10')				1						-017		X				
89 (0-2')	↓	↓	↓	1						-018		X				

Relinquished By:	Date/Time:	Relinquished By:	Date/Time:	Relinquished By:	Date/Time:
M Mic	6.27.05	Karl McKeon	6/28/05 11:30		
Received By:	**Date/Time:**	**Received By:**	**Date/Time:**	**Received By;**	**Date/Time:**
Karl McKeon	6.28.05 10:50	Danielle Rego	6/28/05		

GW=Ground Water S=Sediments/Soil WW=Waste Water

F/Formats/Misc Office Forms/Chain of Custody

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

NORMAL

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
Fax: (781) 449-1623

Turn Around Time: _____
Due Date: _____

Project Name: 2 Kansas St

COC# 95

PO# 95

Comments: run PCB per Kevin Doherty DR 6/30

Collected By: KD

0506407

Sample ID	Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 (PAH's)	VPH (TPH)	EPH (TPH)	RCRA 8 ☐Dissolved ☐Total	8080 (PCB)	Amrec Specs	Bardon Trimount	ESMI Specs	Asb. by PLM
89(2'-8')	6.27.05	Soil	ice	1					6407-019			X				
89(8'-12')	↓	↓	"	1					-020			X				

Relinquished By:	Date/Time:	Relinquished By:	Date/Time:	Relinquished By:	Date/Time:
Morris	6.27.05	[signature]	6/28/05 11:10		
Received By:	**Date/Time:**	**Received By:**	**Date/Time:**	**Received By;**	**Date/Time:**
[signature]	6/28/05 20:58	Danielle Reeps	6/28/05		

GW=Ground Water S=Sediments/Soil WW=Waste Water

F/Formats/Misc Office Forms/Chain of Custody

GeoLabs, Inc.

Environmental Laboratories

LABORATORY REPORT

PREPARED FOR:

Knoll Environmental, Inc.
69 Wexford Street
Needham, MA 02494

PROJECT ID:	093 2 Kansas Street
GEOLABS CERTIFICATION #:	M-MA015
SAMPLE NUMBER:	0506298 (001-045)
DATE PREPARED:	June 30, 2005
PREPARED BY:	Christine Johnson
APPROVED BY:	Jim Chen, Laboratory Director

GeoLabs, Inc.
Environmental Laboratories

MADEP MCP Response Action Analytical Report Certification Form

Laboratory Name:	GeoLabs, Inc.	Project #:	093
Project Location:	2 Kansas Street	MADEP RTN:	

This form provides certifications for the following data set: 0506298 (001-045)

Sample matrices: Groundwater ( ) Soil / Sediment (x) Drinking Water ( ) Other ( )

MCP SW-846 Methods Used	8260B ( )	8151A ( )	8330 ( )	6010B ( )	7470/1A ( )	Other: ( )
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )	
	8082 (x)	8021B ( )	EPH ( )	7000 S[3] ( )		

As specified in MADEP Compendium of Analytical Methods (Check all that apply)

1- List Release Tracking Number (RTN), if known
2- M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Meth
3- S - SW-846 Methods 7000 Series (List individual method and analyte)

An affirmative response to questions A, B, and C is required for "*Presumptive Certainty*" status

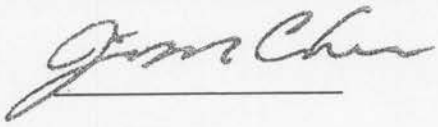
A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	Yes (x)	No[1] ( )
B	Were all QA/QC procedures required for the specified analytical method(included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (x)	No[1] ( )
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP documents CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	Yes (x)	No[1] ( )

A response to questions D and E below is required for "*Presumptive Certainty*" status

D	Were all QC performance standards and recommendations for the specified methods achieved?	Yes (x)	No[1] ( )
E	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes (x)	No[1] ( )

[1]All NO answeres must be addressed in an attached Environmental Laboratory case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:  Position: Lab Director

Printed Name: Jim Chen Date: June 30, 2005

GeoLabs, Inc.

Environmental Laboratories

Case Narrative

Project ID: 093
Client Name: Knoll Environmental, Inc.

Sample Number: 0506298 (001-045)
Received: 06/23/05

Physical Condition of Samples

This project was received by the laboratory in satisfactory condition. The sample(s) were received undamaged, in appropriate containers with the correct preservation.

Project Documentation

This project was accompanied by satisfactory Chain of Custody documentation. The sample container label(s) agreed with the Chain of Custody.

Analysis of Sample(s)

No analytical anomalies or non-conformances were noted by the laboratory during the processing of these sample(s).

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05	ANALYSIS DATE:	06/29/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/24/05

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	001
SAMPLE LOCATION:	64 0-2'

10x dilution on all	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	500
Arochlor 1232	ND	500
Arochlor 1016/1242	ND	500
Arochlor 1248	ND	500
Arochlor 1254	5380	500
Arochlor 1260	ND	500
Arochlor 1262	ND	500
Arochlor 1268	ND	500

Recovery: (30-150%)		**Limit**
TCMX Signal 1	80%	30-150%
DCBP Signal 1	80%	30-150%
TCMX Signal 2	60%	30-150%
DCBP Signal 2	100%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05	ANALYSIS DATE:	06/29/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/24/05

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	002	003	004
SAMPLE LOCATION:	64 2-4'	64 4-6'	64 6-8'

	RESULTS (µg/Kg)			**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	ND	ND	50.0
Arochlor 1232	ND	ND	ND	50.0
Arochlor 1016/1242	ND	ND	ND	50.0
Arochlor 1248	ND	ND	ND	50.0
Arochlor 1254	**192**	**138**	ND	50.0
Arochlor 1260	ND	ND	ND	50.0
Arochlor 1262	ND	ND	ND	50.0
Arochlor 1268	ND	ND	ND	50.0
Recovery: (30-150%)				**Limit**
TCMX Signal 1	46%	44%	50%	30-150%
DCBP Signal 1	50%	48%	84%	30-150%
TCMX Signal 2	46%	40%	46%	30-150%
DCBP Signal 2	72%	62%	88%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05	ANALYSIS DATE:	06/29/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/24/05

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	005
SAMPLE LOCATION:	64 8-12'

	RESULTS (µg/Kg)	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	50.0
Arochlor 1232	ND	50.0
Arochlor 1016/1242	ND	50.0
Arochlor 1248	ND	50.0
Arochlor 1254	ND	50.0
Arochlor 1260	ND	50.0
Arochlor 1262	ND	50.0
Arochlor 1268	ND	50.0
Recovery: (30-150%)		**Limit**
TCMX Signal 1	42%	30-150%
DCBP Signal 1	48%	30-150%
TCMX Signal 2	40%	30-150%
DCBP Signal 2	68%	30-150%

ND = NOT DETECTED

CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05	ANALYSIS DATE:	06/29/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/24/05

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	006
SAMPLE LOCATION:	65 0-2'

5x dilution on all	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	250
Arochlor 1232	ND	250
Arochlor 1016/1242	ND	250
Arochlor 1248	ND	250
Arochlor 1254	3020	250
Arochlor 1260	ND	250
Arochlor 1262	ND	250
Arochlor 1268	ND	250

Recovery: (30-150%)		**Limit**
TCMX Signal 1	80%	30-150%
DCBP Signal 1	90%	30-150%
TCMX Signal 2	60%	30-150%
DCBP Signal 2	100%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05	ANALYSIS DATE:	06/29/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/24/05

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	007
SAMPLE LOCATION:	65 2-4'

25x dilution on all	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	1250
Arochlor 1232	ND	1250
Arochlor 1016/1242	ND	1250
Arochlor 1248	ND	1250
Arochlor 1254	6850	1250
Arochlor 1260	ND	1250
Arochlor 1262	ND	1250
Arochlor 1268	ND	1250
Recovery: (30-150%)		**Limit**
TCMX Signal 1	100%	30-150%
DCBP Signal 1	100%	30-150%
TCMX Signal 2	50%	30-150%
DCBP Signal 2	100%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05	ANALYSIS DATE:	06/29/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/24/05

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	008
SAMPLE LOCATION:	65 4-6'

	RESULTS (µg/Kg)	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	50.0
Arochlor 1232	ND	50.0
Arochlor 1016/1242	ND	50.0
Arochlor 1248	ND	50.0
Arochlor 1254	**312**	50.0
Arochlor 1260	ND	50.0
Arochlor 1262	ND	50.0
Arochlor 1268	ND	50.0
Recovery: (30-150%)		**Limit**
TCMX Signal 1	68%	30-150%
DCBP Signal 1	72%	30-150%
TCMX Signal 2	62%	30-150%
DCBP Signal 2	88%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05	ANALYSIS DATE:	06/29/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/24/05

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	009
SAMPLE LOCATION:	66 0-2'

50x dilution on all	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	2500
Arochlor 1232	ND	2500
Arochlor 1016/1242	ND	2500
Arochlor 1248	ND	2500
Arochlor 1254	31500	2500
Arochlor 1260	ND	2500
Arochlor 1262	ND	2500
Arochlor 1268	ND	2500
Recovery: (30-150%)		**Limit**
TCMX Signal 1	100%	30-150%
DCBP Signal 1	100%	30-150%
TCMX Signal 2	100%	30-150%
DCBP Signal 2	100%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05	ANALYSIS DATE:	06/29/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/24/05

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	010
SAMPLE LOCATION:	66 2-3'

10x dilution on all	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	500
Arochlor 1232	ND	500
Arochlor 1016/1242	ND	500
Arochlor 1248	ND	500
Arochlor 1254	4970	500
Arochlor 1260	ND	500
Arochlor 1262	ND	500
Arochlor 1268	ND	500

Recovery: (30-150%)		**Limit**
TCMX Signal 1	80%	30-150%
DCBP Signal 1	80%	30-150%
TCMX Signal 2	80%	30-150%
DCBP Signal 2	100%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05	ANALYSIS DATE:	06/29/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/24/05

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	011	012	013	
SAMPLE LOCATION:	66 3-7'	67 0-2'	67 2-6'	
	RESULTS (µg/Kg)			**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	ND	ND	50.0
Arochlor 1232	ND	ND	ND	50.0
Arochlor 1016/1242	ND	ND	ND	50.0
Arochlor 1248	ND	ND	ND	50.0
Arochlor 1254	ND	**210**	**166**	50.0
Arochlor 1260	ND	ND	ND	50.0
Arochlor 1262	ND	ND	ND	50.0
Arochlor 1268	ND	ND	ND	50.0
Recovery: (30-150%)				**Limit**
TCMX Signal 1	42%	42%	46%	30-150%
DCBP Signal 1	54%	60%	44%	30-150%
TCMX Signal 2	42%	42%	40%	30-150%
DCBP Signal 2	56%	44%	58%	30-150%

ND = NOT DETECTED

CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05	ANALYSIS DATE:	06/29/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/24/05

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	014
SAMPLE LOCATION:	68 0-2'

5x dilution on all	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	250
Arochlor 1232	ND	250
Arochlor 1016/1242	ND	250
Arochlor 1248	ND	250
Arochlor 1254	2800	250
Arochlor 1260	ND	250
Arochlor 1262	ND	250
Arochlor 1268	ND	250

Recovery: (30-150%)		**Limit**
TCMX Signal 1	50%	30-150%
DCBP Signal 1	40%	30-150%
TCMX Signal 2	40%	30-150%
DCBP Signal 2	50%	30-150%

ND = NOT DETECTED

CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05	ANALYSIS DATE:	06/29/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/24/05

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER: 015
SAMPLE LOCATION: 68 2-7'

	RESULTS (µg/Kg)	DETECTION LIMIT (µg/Kg)
Arochlor 1221	ND	50.0
Arochlor 1232	ND	50.0
Arochlor 1016/1242	ND	50.0
Arochlor 1248	ND	50.0
Arochlor 1254	ND	50.0
Arochlor 1260	ND	50.0
Arochlor 1262	ND	50.0
Arochlor 1268	ND	50.0
Recovery: (30-150%)		**Limit**
TCMX Signal 1	52%	30-150%
DCBP Signal 1	48%	30-150%
TCMX Signal 2	40%	30-150%
DCBP Signal 2	64%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05	ANALYSIS DATE:	06/29/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/24/05

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	016
SAMPLE LOCATION:	69 0-2'

50x dilution on all	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	2500
Arochlor 1232	ND	2500
Arochlor 1016/1242	ND	2500
Arochlor 1248	ND	2500
Arochlor 1254	27100	2500
Arochlor 1260	ND	2500
Arochlor 1262	ND	2500
Arochlor 1268	ND	2500
Recovery: (30-150%)		**Limit**
TCMX Signal 1	100%	30-150%
DCBP Signal 1	100%	30-150%
TCMX Signal 2	100%	30-150%
DCBP Signal 2	100%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05	ANALYSIS DATE:	06/29/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/24/05

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	017
SAMPLE LOCATION:	69 2-7'

	RESULTS (µg/Kg)	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	50.0
Arochlor 1232	ND	50.0
Arochlor 1016/1242	ND	50.0
Arochlor 1248	ND	50.0
Arochlor 1254	ND	50.0
Arochlor 1260	ND	50.0
Arochlor 1262	ND	50.0
Arochlor 1268	ND	50.0
Recovery: (30-150%)		**Limit**
TCMX Signal 1	58%	30-150%
DCBP Signal 1	80%	30-150%
TCMX Signal 2	50%	30-150%
DCBP Signal 2	108%	30-150%

ND = NOT DETECTED

CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05	ANALYSIS DATE:	06/29/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/24/05

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	018
SAMPLE LOCATION:	69 7-12'

5x dilution on all	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	250
Arochlor 1232	ND	250
Arochlor 1016/1242	ND	250
Arochlor 1248	ND	250
Arochlor 1254	**941**	250
Arochlor 1260	ND	250
Arochlor 1262	ND	250
Arochlor 1268	ND	250

Recovery: (30-150%)		**Limit**
TCMX Signal 1	50%	30-150%
DCBP Signal 1	60%	30-150%
TCMX Signal 2	40%	30-150%
DCBP Signal 2	80%	30-150%

ND = NOT DETECTED

CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05	ANALYSIS DATE:	06/29/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/24/05

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER: 019
SAMPLE LOCATION: 70 0-4'

250x dilution on all	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	12500
Arochlor 1232	ND	12500
Arochlor 1016/1242	ND	12500
Arochlor 1248	ND	12500
Arochlor 1254	163000	12500
Arochlor 1260	ND	12500
Arochlor 1262	ND	12500
Arochlor 1268	ND	12500

Recovery: (30-150%)		**Limit**
TCMX Signal 1	D	30-150%
DCBP Signal 1	D	30-150%
TCMX Signal 2	D	30-150%
DCBP Signal 2	D	30-150%

D=DILUTED OUT

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05	ANALYSIS DATE:	06/29/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/24/05

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER: 020
SAMPLE LOCATION: 70 4-6'

100x dilution on all	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	5000
Arochlor 1232	ND	5000
Arochlor 1016/1242	ND	5000
Arochlor 1248	ND	5000
Arochlor 1254	62200	5000
Arochlor 1260	ND	5000
Arochlor 1262	ND	5000
Arochlor 1268	ND	5000

Recovery: (30-150%)		**Limit**
TCMX Signal 1	D	30-150%
DCBP Signal 1	D	30-150%
TCMX Signal 2	D	30-150%
DCBP Signal 2	D	30-150%

D=DILUTED OUT

ND = NOT DETECTED

CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05	ANALYSIS DATE:	06/29/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/24/05

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	021
SAMPLE LOCATION:	70 6-12'

	RESULTS (µg/Kg)	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	50.0
Arochlor 1232	ND	50.0
Arochlor 1016/1242	ND	50.0
Arochlor 1248	ND	50.0
Arochlor 1254	ND	50.0
Arochlor 1260	ND	50.0
Arochlor 1262	ND	50.0
Arochlor 1268	ND	50.0
Recovery: (30-150%)		**Limit**
TCMX Signal 1	50%	30-150%
DCBP Signal 1	90%	30-150%
TCMX Signal 2	46%	30-150%
DCBP Signal 2	102%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05	ANALYSIS DATE:	06/29/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/24/05

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	022
SAMPLE LOCATION:	71 0-5'

100x dilution on all	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	5000
Arochlor 1232	ND	5000
Arochlor 1016/1242	ND	5000
Arochlor 1248	ND	5000
Arochlor 1254	39000	5000
Arochlor 1260	ND	5000
Arochlor 1262	ND	5000
Arochlor 1268	ND	5000

Recovery: (30-150%)		**Limit**
TCMX Signal 1	D	30-150%
DCBP Signal 1	D	30-150%
TCMX Signal 2	D	30-150%
DCBP Signal 2	D	30-150%

D=DILUTED OUT

ND = NOT DETECTED

CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05	ANALYSIS DATE:	06/29/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/24/05

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	023
SAMPLE LOCATION:	71 5-7'

10x dilution on all	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	500
Arochlor 1232	ND	500
Arochlor 1016/1242	ND	500
Arochlor 1248	ND	500
Arochlor 1254	2380	500
Arochlor 1260	ND	500
Arochlor 1262	ND	500
Arochlor 1268	ND	500

Recovery: (30-150%)		**Limit**
TCMX Signal 1	60%	30-150%
DCBP Signal 1	80%	30-150%
TCMX Signal 2	40%	30-150%
DCBP Signal 2	80%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05	ANALYSIS DATE:	06/29/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/24/05

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	024	025
SAMPLE LOCATION:	71 7-12'	72 0-6'

	RESULTS (µg/Kg)		DETECTION LIMIT (µg/Kg)
Arochlor 1221	ND	ND	50.0
Arochlor 1232	ND	ND	50.0
Arochlor 1016/1242	ND	ND	50.0
Arochlor 1248	ND	ND	50.0
Arochlor 1254	ND	**86.0**	50.0
Arochlor 1260	ND	ND	50.0
Arochlor 1262	ND	ND	50.0
Arochlor 1268	ND	ND	50.0
Recovery: (30-150%)			**Limit**
TCMX Signal 1	46%	50%	30-150%
DCBP Signal 1	106%	88%	30-150%
TCMX Signal 2	40%	44%	30-150%
DCBP Signal 2	110%	102%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05	ANALYSIS DATE:	06/29/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/24/05

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	026
SAMPLE LOCATION:	72 6-9'

100x dilution on all	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	5000
Arochlor 1232	ND	5000
Arochlor 1016/1242	ND	5000
Arochlor 1248	ND	5000
Arochlor 1254	68600	5000
Arochlor 1260	ND	5000
Arochlor 1262	ND	5000
Arochlor 1268	ND	5000

Recovery: (30-150%)		**Limit**
TCMX Signal 1	D	30-150%
DCBP Signal 1	D	30-150%
TCMX Signal 2	D	30-150%
DCBP Signal 2	D	30-150%

D=DILUTED OUT

ND = NOT DETECTED

CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05	ANALYSIS DATE:	06/29/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/24/05

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	027
SAMPLE LOCATION:	73 0-6'

5000x dilution on all	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	250000
Arochlor 1232	ND	250000
Arochlor 1016/1242	ND	250000
Arochlor 1248	ND	250000
Arochlor 1254	6630000	250000
Arochlor 1260	ND	250000
Arochlor 1262	ND	250000
Arochlor 1268	ND	250000

Recovery: (30-150%)		**Limit**
TCMX Signal 1	D	30-150%
DCBP Signal 1	D	30-150%
TCMX Signal 2	D	30-150%
DCBP Signal 2	D	30-150%

D=DILUTED OUT

ND = NOT DETECTED

CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05	ANALYSIS DATE:	06/29/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/24/05

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	028
SAMPLE LOCATION:	73 6-8'

50x dilution on all	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	2500
Arochlor 1232	ND	2500
Arochlor 1016/1242	ND	2500
Arochlor 1248	ND	2500
Arochlor 1254	12900	2500
Arochlor 1260	ND	2500
Arochlor 1262	ND	2500
Arochlor 1268	ND	2500
Recovery: (30-150%)		**Limit**
TCMX Signal 1	100%	30-150%
DCBP Signal 1	100%	30-150%
TCMX Signal 2	100%	30-150%
DCBP Signal 2	100%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05	ANALYSIS DATE:	06/29/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/24/05

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	029
SAMPLE LOCATION:	74 0-6'

25x dilution on all	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	1250
Arochlor 1232	ND	1250
Arochlor 1016/1242	ND	1250
Arochlor 1248	ND	1250
Arochlor 1254	9800	1250
Arochlor 1260	ND	1250
Arochlor 1262	ND	1250
Arochlor 1268	ND	1250

Recovery: (30-150%)		**Limit**
TCMX Signal 1	100%	30-150%
DCBP Signal 1	100%	30-150%
TCMX Signal 2	100%	30-150%
DCBP Signal 2	100%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05	ANALYSIS DATE:	06/29/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/24/05

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	030
SAMPLE LOCATION:	74 6-9'

	RESULTS (µg/Kg)	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	50.0
Arochlor 1232	ND	50.0
Arochlor 1016/1242	ND	50.0
Arochlor 1248	ND	50.0
Arochlor 1254	**123**	50.0
Arochlor 1260	ND	50.0
Arochlor 1262	ND	50.0
Arochlor 1268	ND	50.0

Recovery: (30-150%)		**Limit**
TCMX Signal 1	60%	30-150%
DCBP Signal 1	90%	30-150%
TCMX Signal 2	54%	30-150%
DCBP Signal 2	102%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

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CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05	ANALYSIS DATE:	06/29/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/24/05

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER: 031
SAMPLE LOCATION: 75 0-6'

25x dilution on all	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	1250
Arochlor 1232	ND	1250
Arochlor 1016/1242	ND	1250
Arochlor 1248	ND	1250
Arochlor 1254	6950	1250
Arochlor 1260	ND	1250
Arochlor 1262	ND	1250
Arochlor 1268	ND	1250

Recovery: (30-150%)		**Limit**
TCMX Signal 1	100%	30-150%
DCBP Signal 1	100%	30-150%
TCMX Signal 2	100%	30-150%
DCBP Signal 2	100%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05	ANALYSIS DATE:	06/29/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/24/05

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	032
SAMPLE LOCATION:	75 6-8'

	RESULTS (µg/Kg)	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	50.0
Arochlor 1232	ND	50.0
Arochlor 1016/1242	ND	50.0
Arochlor 1248	ND	50.0
Arochlor 1254	**68.0**	50.0
Arochlor 1260	ND	50.0
Arochlor 1262	ND	50.0
Arochlor 1268	ND	50.0

Recovery: (30-150%)		**Limit**
TCMX Signal 1	50%	30-150%
DCBP Signal 1	74%	30-150%
TCMX Signal 2	50%	30-150%
DCBP Signal 2	108%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05	ANALYSIS DATE:	06/29/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/24/05

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	033
SAMPLE LOCATION:	76 0-3'

10x dilution on all	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	500
Arochlor 1232	ND	500
Arochlor 1016/1242	ND	500
Arochlor 1248	ND	500
Arochlor 1254	4600	500
Arochlor 1260	ND	500
Arochlor 1262	ND	500
Arochlor 1268	ND	500

Recovery: (30-150%)		**Limit**
TCMX Signal 1	80%	30-150%
DCBP Signal 1	80%	30-150%
TCMX Signal 2	80%	30-150%
DCBP Signal 2	100%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05	ANALYSIS DATE:	06/29/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/24/05

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	034
SAMPLE LOCATION:	76 5-8'

	RESULTS (µg/Kg)	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	50.0
Arochlor 1232	ND	50.0
Arochlor 1016/1242	ND	50.0
Arochlor 1248	ND	50.0
Arochlor 1254	**168**	50.0
Arochlor 1260	ND	50.0
Arochlor 1262	ND	50.0
Arochlor 1268	ND	50.0
Recovery: (30-150%)		**Limit**
TCMX Signal 1	64%	30-150%
DCBP Signal 1	80%	30-150%
TCMX Signal 2	68%	30-150%
DCBP Signal 2	112%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05	ANALYSIS DATE:	06/29/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/24/05

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	035
SAMPLE LOCATION:	77 0-4'

10x dilution on all	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	500
Arochlor 1232	ND	500
Arochlor 1016/1242	ND	500
Arochlor 1248	ND	500
Arochlor 1254	3370	500
Arochlor 1260	ND	500
Arochlor 1262	ND	500
Arochlor 1268	ND	500

Recovery: (30-150%)		**Limit**
TCMX Signal 1	80%	30-150%
DCBP Signal 1	80%	30-150%
TCMX Signal 2	60%	30-150%
DCBP Signal 2	100%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05	ANALYSIS DATE:	06/29/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/24/05

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	036
SAMPLE LOCATION:	77 4-10'

25x dilution on all	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	1250
Arochlor 1232	ND	1250
Arochlor 1016/1242	ND	1250
Arochlor 1248	ND	1250
Arochlor 1254	ND	1250
Arochlor 1260	ND	1250
Arochlor 1262	ND	1250
Arochlor 1268	ND	1250
Recovery: (30-150%)		**Limit**
TCMX Signal 1	70%	30-150%
DCBP Signal 1	100%	30-150%
TCMX Signal 2	60%	30-150%
DCBP Signal 2	80%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05	ANALYSIS DATE:	06/29/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/24/05

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	037
SAMPLE LOCATION:	78 4-8'

5x dilution on all	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	250.0
Arochlor 1232	ND	250.0
Arochlor 1016/1242	ND	250.0
Arochlor 1248	ND	250.0
Arochlor 1254	**1450**	250.0
Arochlor 1260	ND	250.0
Arochlor 1262	ND	250.0
Arochlor 1268	ND	250.0

Recovery: (30-150%)		**Limit**
TCMX Signal 1	60%	30-150%
DCBP Signal 1	80%	30-150%
TCMX Signal 2	50%	30-150%
DCBP Signal 2	90%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05	ANALYSIS DATE:	06/29/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/24/05

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	038
SAMPLE LOCATION:	79 0-2'

50x dilution on all	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	2500
Arochlor 1232	ND	2500
Arochlor 1016/1242	ND	2500
Arochlor 1248	ND	2500
Arochlor 1254	20300	2500
Arochlor 1260	ND	2500
Arochlor 1262	ND	2500
Arochlor 1268	ND	2500

Recovery: (30-150%)		**Limit**
TCMX Signal 1	100%	30-150%
DCBP Signal 1	100%	30-150%
TCMX Signal 2	100%	30-150%
DCBP Signal 2	100%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05	ANALYSIS DATE:	06/29/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/24/05

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER: 039
SAMPLE LOCATION: 79 2-4'

	RESULTS (µg/Kg)	DETECTION LIMIT (µg/Kg)
Arochlor 1221	ND	50.0
Arochlor 1232	ND	50.0
Arochlor 1016/1242	ND	50.0
Arochlor 1248	ND	50.0
Arochlor 1254	**60.0**	50.0
Arochlor 1260	ND	50.0
Arochlor 1262	ND	50.0
Arochlor 1268	ND	50.0

Recovery: (30-150%)		**Limit**
TCMX Signal 1	62%	30-150%
DCBP Signal 1	88%	30-150%
TCMX Signal 2	58%	30-150%
DCBP Signal 2	100%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05	ANALYSIS DATE:	06/29/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/24/05

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	040
SAMPLE LOCATION:	80 0-2'

100x dilution on all	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	5000
Arochlor 1232	ND	5000
Arochlor 1016/1242	ND	5000
Arochlor 1248	ND	5000
Arochlor 1254	61100	5000
Arochlor 1260	ND	5000
Arochlor 1262	ND	5000
Arochlor 1268	ND	5000

Recovery: (30-150%)		**Limit**
TCMX Signal 1	D	30-150%
DCBP Signal 1	D	30-150%
TCMX Signal 2	D	30-150%
DCBP Signal 2	D	30-150%

D=DILUTED OUT

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05	ANALYSIS DATE:	06/29/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/24/05

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	041	042	043
SAMPLE LOCATION:	80 2-4'	KNOLL-5 4-5'	KNOLL-5 5-6.5'

	RESULTS (µg/Kg)			**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	ND	ND	50.0
Arochlor 1232	ND	ND	ND	50.0
Arochlor 1016/1242	ND	ND	ND	50.0
Arochlor 1248	ND	ND	ND	50.0
Arochlor 1254	**138**	**295**	**58.0**	50.0
Arochlor 1260	ND	ND	ND	50.0
Arochlor 1262	ND	ND	ND	50.0
Arochlor 1268	ND	ND	ND	50.0
Recovery: (30-150%)				**Limit**
TCMX Signal 1	78%	70%	70%	30-150%
DCBP Signal 1	102%	92%	86%	30-150%
TCMX Signal 2	86%	72%	76%	30-150%
DCBP Signal 2	110%	108%	116%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05	ANALYSIS DATE:	06/29/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/24/05

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	045
SAMPLE LOCATION:	KNOLL-7 5-6'

25x dilution on all	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	1250
Arochlor 1232	ND	1250
Arochlor 1016/1242	ND	1250
Arochlor 1248	ND	1250
Arochlor 1254	8800	1250
Arochlor 1260	ND	1250
Arochlor 1262	ND	1250
Arochlor 1268	ND	1250

Recovery: (30-150%)		**Limit**
TCMX Signal 1	100%	30-150%
DCBP Signal 1	100%	30-150%
TCMX Signal 2	100%	30-150%
DCBP Signal 2	100%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05	ANALYSIS DATE:	06/29/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/24/05

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	046	047	048
SAMPLE LOCATION:	64 12-16'	65 6-10'	67 6-12'

	RESULTS (µg/Kg)			**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	ND	ND	50.0
Arochlor 1232	ND	ND	ND	50.0
Arochlor 1016/1242	ND	ND	ND	50.0
Arochlor 1248	ND	ND	ND	50.0
Arochlor 1254	ND	**192**	**81.0**	50.0
Arochlor 1260	ND	ND	ND	50.0
Arochlor 1262	ND	ND	ND	50.0
Arochlor 1268	ND	ND	ND	50.0
Recovery: (30-150%)				**Limit**
TCMX Signal 1	60%	76%	62%	30-150%
DCBP Signal 1	98%	92%	60%	30-150%
TCMX Signal 2	44%	82%	52%	30-150%
DCBP Signal 2	82%	98%	86%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05	ANALYSIS DATE:	06/29/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/24/05

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	049	050	051
SAMPLE LOCATION:	68 7-12'	72 9-12'	73 8-12'

	RESULTS (µg/Kg)			**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	ND	ND	50.0
Arochlor 1232	ND	ND	ND	50.0
Arochlor 1016/1242	ND	ND	ND	50.0
Arochlor 1248	ND	ND	ND	50.0
Arochlor 1254	ND	**182**	**621**	50.0
Arochlor 1260	ND	ND	ND	50.0
Arochlor 1262	ND	ND	ND	50.0
Arochlor 1268	ND	ND	ND	50.0
Recovery: (30-150%)				**Limit**
TCMX Signal 1	44%	50%	56%	30-150%
DCBP Signal 1	66%	80%	78%	30-150%
TCMX Signal 2	40%	44%	48%	30-150%
DCBP Signal 2	90%	90%	102%	30-150%

ND = NOT DETECTED — CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05	ANALYSIS DATE:	06/29/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/24/05

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	052	053	054
SAMPLE LOCATION:	74 9-12'	75 8-12'	76 8-12'

	RESULTS (µg/Kg)			DETECTION LIMIT (µg/Kg)
Arochlor 1221	ND	ND	ND	50.0
Arochlor 1232	ND	ND	ND	50.0
Arochlor 1016/1242	ND	ND	ND	50.0
Arochlor 1248	ND	ND	ND	50.0
Arochlor 1254	ND	ND	ND	50.0
Arochlor 1260	ND	ND	ND	50.0
Arochlor 1262	ND	ND	ND	50.0
Arochlor 1268	ND	ND	ND	50.0
Recovery: (30-150%)				**Limit**
TCMX Signal 1	52%	46%	58%	30-150%
DCBP Signal 1	88%	96%	96%	30-150%
TCMX Signal 2	42%	40%	50%	30-150%
DCBP Signal 2	96%	102%	96%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05	ANALYSIS DATE:	06/29/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/24/05

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER: 055
SAMPLE LOCATION: 77 10-12'

	RESULTS (µg/Kg)	DETECTION LIMIT (µg/Kg)
Arochlor 1221	ND	50.0
Arochlor 1232	ND	50.0
Arochlor 1016/1242	ND	50.0
Arochlor 1248	ND	50.0
Arochlor 1254	ND	50.0
Arochlor 1260	ND	50.0
Arochlor 1262	ND	50.0
Arochlor 1268	ND	50.0

Recovery: (30-150%)		**Limit**
TCMX Signal 1	72%	30-150%
DCBP Signal 1	92%	30-150%
TCMX Signal 2	70%	30-150%
DCBP Signal 2	106%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05	ANALYSIS DATE:	06/29/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	06/24/05

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	044
SAMPLE LOCATION:	KNOLL-7 4-5'

100x dilution on all	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	5000
Arochlor 1232	ND	5000
Arochlor 1016/1242	ND	5000
Arochlor 1248	ND	5000
Arochlor 1254	48600	5000
Arochlor 1260	ND	5000
Arochlor 1262	ND	5000
Arochlor 1268	ND	5000

Recovery: (30-150%)		**Limit**
TCMX Signal 1	D	30-150%
DCBP Signal 1	D	30-150%
TCMX Signal 2	D	30-150%
DCBP Signal 2	D	30-150%

D=DILUTED OUT

ND = NOT DETECTED

CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	093
SAMPLE TYPE:	SOIL	REPORT DATE:	06/30/05
COLLECTION DATE:	06/22/05	ANALYZED BY:	GP
REC'D BY LAB:	06/23/05		
COLLECTED BY:	CLIENT		

PCB SOLID MCP QC SHEET

BLANK = ND MDL = 50 µg/Kg

	LCS %	MS	MSD	% Rec. Limits	RPD	LIMIT
Arochlor 1221	N/A	N/A	N/A	40-140	N/A	50
Arochlor 1232	N/A	N/A	N/A	40-140	N/A	50
Arochlor 1016	72	61	67	40-140	8.24	50
Arochlor 1248	N/A	N/A	N/A	40-140	N/A	50
Arochlor 1254	N/A	N/A	N/A	40-140	N/A	50
Arochlor 1260	66	78	93	40-140	17.4	50
SURROGATE: (30-150%)	**BLANK**	**LCS**	**MS**	**MSD**		
TCMX SIGNAL 1	54%	46%	44%	50%		
DCBP SIGNAL 1	88%	88%	102%	106%		
TCMX SIGNAL 2	48%	40%	30%	44%		
DCBP SIGNAL 2	74%	66%	90%	82%		

GEOLABS, INC.
45 JOHNSON LANE
BRAINTREE, MA 02184
M-MA015

LIMITATIONS & EXCLUSIONS

All the professional opinions presented in this report are based solely on the scope of work conducted and sources referred to in our report. The data presented by GeoLabs in this report was collected and analyzed using generally accepted industry methods and practices at the time the report was generated. This report represents the conditions, locations and materials that were observed at the time the work was conducted. No inferences regarding other conditions, locations or materials, at a later or earlier time may be made based on the contents of the report. No other warranty, express or implied is made.

This report was prepared for the sole use of our client. Portions of the report may not be used independent of the entire report.

All analyses were performed within required holding times, in accordance with EPA protocols and using accepted QA/QC procedures. All QA/QC meets acceptable limits unless otherwise noted. The information contained in this report is, to the best of my knowledge, accurate and complete.

Any and all subsequent pages of this report are chain(s) of custody.

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
Fax: (781) 449-1623

0506298

Turn Around Time: NORMAL
Due Date:

Project Name:
2 Kansas St

COC#
093

PO#
093

Collected By:
KD

Comments:
Run ALL samples per Momin DR 6/24

* Instruction for sample # with *
Run this sample ONLY when the previous sample result is ~~Non~~ detectable.

Sample ID	Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 (PAH's)	VPH (TPH)	EPH (TPH)	RCRA 8 ☐Dissolved ☐Total	8080 (PCB)	Amrec Specs	Bardon Trimount	ESMI Specs	Asb. by PLM
64 (0-2')	6-22-05	Soil	ice	1					6298-001			X				
64 (2-4')	"	"	"	1					-002			X				
64 (4-6')	"	"	"	1					-003			X				
64 (6-8')	"	"	"	1					-004			X				
64 (8-12')	"	"	"	1					-005			X				
64 (12-16')*	"	"	"	1					~~-006~~ 6298 DR -046			X				
65 (0-2')	"	"	"	1					-006			X				
65 (2-4')*	"	"	"	1					-007			X				
									~~-008~~ DR							

Relinquished By:	Date/Time:	Relinquished By:	Date/Time:	Relinquished By:	Date/Time:
Momin	6-23-05	M. C	6/23/05 11:15		
Received By:	**Date/Time:**	**Received By:**	**Date/Time:**	**Received By;**	**Date/Time:**
M. C	6/23/05 10:20	Danielle Rega	6/23/05 11:15a		

GW=Ground Water S=Sediments/Soil WW=Waste Water

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
Fax: (781) 449-1623

0506298

Turn Around Time: NORMAL
Due Date:

Project Name: 2 Kansas St

COC# 093

PO# 093

Collected By: KD

Comments:

* Instruction for sample # with *

~~Run this sample~~

Do not run this sample if previous sample is non-detectable

Sample ID	Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 (PAH's)	VPH (TPH)	EPH (TPH)	RCRA 8 ☐Dissolved ☐Total	8080 (PCB)	Amrec Specs	Bardon Trimount	ESMI Specs	Asb. by PLM
65 (4-6')	6-22-05	soil	ice	1				6298-008				X				
65 (6-10')*				1					6298	-047		X				
66 (0-2')				1				6298-009				X				
66 (2-3')				1				-010				X				
66 (3-7')				1				-011				X				
67 (0-2')				1				-012				X				
67 (2-6')				1				-013				X				
67 (6-12')*				1					6298	-048		X				

Relinquished By:	Date/Time:	Relinquished By:	Date/Time:	Relinquished By:	Date/Time:
Morin	6-23-05	MC	6/23/05 11:15		
Received By:	**Date/Time:**	**Received By:**	**Date/Time:**	**Received By:**	**Date/Time:**
MC	6/23/05 10:30	Danielle Rega	6/23/05 11:15a		

GW=Ground Water S=Sediments/Soil WW=Waste Water

F/Formats/Misc Office Forms/Chain of Custody

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
Fax: (781) 449-1623

0506298

Turn Around Time: NORMAL
Due Date:

Project Name:
2 Kansas St

COC#
693

PO#
093

Collected By:
KD

Comments:
Instruction for sample ~~#~~ # with *
Do not run this sample if previous sample is non-detectable.

Sample ID	Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 (PAH's)	VPH (TPH)	EPH (TPH)	RCRA 8 ☐Dissolved ☐Total	8080 (PCB)	Amrec Specs	Bardon Trimount	ESMI Specs	Asb. by PLM
68 (0-2')	6-22-05	Soil	Ice	1				6298-014				X				
68 (2-7')				1				-015				X				
68 (7-12')*				1					6298-049			X				
69 (0-2')				1				6298-016				X				
69 (2-7')				1				-017				X				
69 (7-12')				1				-018				X				
70 (0-4')				1				-019				X				
70 (4-6')				1				-020				X				
70 (6-12')				1				~~-024~~ 021				X				

Relinquished By:	Date/Time:	Relinquished By:	Date/Time:	Relinquished By:	Date/Time:
Monin	6-23-05	M. C	6/23/05 11:15		
Received By:	**Date/Time:**	**Received By:**	**Date/Time:**	**Received By;**	**Date/Time:**
M. C	6/23/05 1030	Danielle Rega	6/23/05 11:15a		

GW=Ground Water S=Sediments/Soil WW=Waste Water

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
Fax: (781) 449-1623

0506298

Turn Around Time: NORMAL
Due Date:

Project Name: 2 Kansas St

COC# 093

PO# 093

Collected By: KD

Comments:

Instruction for sample # with *

Do not run this sample if previous sample is non-detectable

Sample ID	Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 (PAH's)	VPH (TPH)	EPH (TPH)	RCRA 8 ☐Dissolved ☐Total	8080 (PCB)	Amrec Specs	Bardon Trimount	ESMI Specs	Asb. by PLM
71 (0-5')	6-22-05	Soil	ice	1				6298-022				X				
71 (5-7')				1					-023			X				
71 (7-12')				1					-024			X				
72 (0-6')				1					-025			X				
72 (6-9')				1					-026			X				
72 (9-12') *				1						6298-050		X				
73 (0-6')				1				6298-027				X				
73 (6-8')				1					-028			X				
73 (8-12') *				1						6298-051		X				

Relinquished By:	Date/Time:	Relinquished By:	Date/Time:	Relinquished By:	Date/Time:
Mumin	6-23-05	M. C	6/23/05 11:15		
Received By:	**Date/Time:**	**Received By:**	**Date/Time:**	**Received By;**	**Date/Time:**
M. C	6/23/05 10:30	Danielle Vega	6/23/05 11:15a		

GW=Ground Water S=Sediments/Soil WW=Waste Water

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
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Fax: (781) 449-1623

0506298

Turn Around Time: NORMAL
Due Date:

Project Name:
2 Kansas St

COC#
093

PO#
093

Collected By: KD

Comments:
Instruction for sample # with *
Do not run this sample if previous sample is non-detectable

Sample ID	Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 (PAH's)	VPH (TPH)	EPH (TPH)	RCRA 8 ☐Dissolved ☐Total	8080 (PCB)	Amrec Specs	Bardon Trimount	ESMI Specs	Asb. by PLM
74 (0-6')	6-22-05	Soil	Ice	1				6298-029				X				
74 (6-9')				1					-030			X				
74 (9-12') *				1						6298-052		X				
75 (0-6')				1				6298-034				X				
75 (6-8')				1					-035			X				
75 (8-12') *				1						6298-053		X				
76 (0-3')				1				6298-033				X				
76 (5-8')				1					-034			X				
76 (8-12') *				1						6298-054		X				

Relinquished By: Mom 6-23-05 Date/Time:
Relinquished By: M. C 6/23/05 11:15 Date/Time:
Relinquished By: Date/Time:

Received By: M. C 6/23/05 10:30 Date/Time:
Received By: Danielle Rega 6/23/05 11:15a Date/Time:
Received By; Date/Time:

GW=Ground Water S=Sediments/Soil WW=Waste Water

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
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0506298

Turn Around Time: NOTMAL
Due Date:

Project Name:
2 Kansas St

COC#
093

PO#
093

Collected By:
KD

Comments:
Instruction for sample # with *
Do not run this sample if previous sample is non-detectable

Sample ID	Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 (PAH's)	VPH (TPH)	EPH (TPH)	RCRA 8 ☐Dissolved ☐Total	8080 (PCB)	Amrec Specs	Bardon Trimount	ESMI Specs	Asb. by PLM
77(0-4')	6-22-05	Soil	Ice	1				6298	035			X				
77 (4-10')				1					036			X				
77(10-12') *				1						6298		X				
78 (4-8')				1				6298	037			X				
79 (0-2')				1					038			X				
79 (2-4')				1					039			X				
80 (0-2')				1					040			X				
80 (2-4')				1					041			X				

Relinquished By: Date/Time:
M Morin 6-23-05

Relinquished By: Date/Time:
M. C 6/23/05 11:14

Relinquished By: Date/Time:

Received By: Date/Time:
M-C 6/23/05 10:30

Received By: Date/Time:
Danielle Rega 6/23/05 11:15a

Received By; Date/Time:

GW=Ground Water S=Sediments/Soil WW=Waste Water

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
Fax: (781) 449-1623

0506298

Turn Around Time: NORMAL
Due Date:

Project Name:
2 Kansas St

COC#
093

PO#
093

Collected By: KD

Comments:
Instruction for sample # with *
Do not run this sample if previous sample is non-detectable.

Sample ID	Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 (PAH's)	VPH (TPH)	EPH (TPH)	RCRA 8 ☐Dissolved ☐Total	8080 (PCB)	Amrec Specs	Bardon Trimount	ESMI Specs	Asb. by PLM
KNOLL-5																
~~81 (4-5)~~	6-22-05	Soil	Ice	1				6298.042				X				
~~81 (5-6.5)~~				1				-043				X				
82 (4-5)				1				-044				X				
82 (5-6)				1				-045				X				
KNOLL-7																
Changed per Miriam 6/23/05																

Relinquished By:	Date/Time:	Relinquished By:	Date/Time:	Relinquished By:	Date/Time:
M Min	6-23-05	M. C	6/23/05 11:15		
Received By:	**Date/Time:**	**Received By:**	**Date/Time:**	**Received By;**	**Date/Time:**
M. C	6/23/05 10:30	Danielle Rega	6/23/05 11:15a		

GW=Ground Water S=Sediments/Soil WW=Waste Water

F/Formats/Misc Office Forms/Chain of Custody

38888

GeoLabs, Inc.

Environmental Laboratories

LABORATORY REPORT





PREPARED FOR:

Knoll Environmental, Inc.
69 Wexford Street
Needham, MA 02494

PROJECT ID: Kansas Street

GEOLABS CERTIFICATION #: M-MA015

SAMPLE NUMBER: 159587-159593

DATE PREPARED: January 4, 2005

PREPARED BY: Karen Mullally

APPROVED BY:

Jim Chen, Laboratory Director

GeoLabs, Inc.
Environmental Laboratories

MADEP MCP Response Action Analytical Report Certification Form

Laboratory Name:	GeoLabs, Inc.	Project #:	Kansas Street
Project Location:	0	MADEP RTN:	

This form provides certifications for the following data set: 159587-159593

Sample matrices: Groundwater ( ) Soil / Sediment (x) Drinking Water ( ) Other ( )

MCP SW-846 Methods Used	8260B ( )	8151A ( )	8330 ( )	6010B ( )	7470/1A ( )	Other: ( )
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )	
	8082 (x)	8021B ( )	EPH ( )	7000 S[3] ( )		

As specified in MADEP Compendium of Analytical Methods (Check all that apply)

1- List Release Tracking Number (RTN), if known
2- M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Met
3- S - SW-846 Methods 7000 Series (List individual method and analyte)

An affirmative response to questions A, B, and C is required for "*Presumptive Certainty*" status

A	Were all samples received by the laboratory in a condition consistent wit that described on the Chain-of-Custody documentation for the data set?	Yes (x)	No[1] ( )
B	Were all QA/QC procedures required for the specified analytical method included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (x)	No[1] ( )
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP documents CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	Yes (x)	No[1] ( )

A response to questions D and E below is required for "*Presumptive Certainty*" status

D	Were all QC performance standards and recommendations for the specified methods achieved?	Yes (x)	No[1] ( )
E	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes (x)	No[1] ( )

[1]All NO answeres must be addressed in an attached Environmental Laboratory case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:  Position: Lab Director

Printed Name: Jim Chen Date: January 4, 2005

GeoLabs, Inc.

Environmental Laboratories

Case Narrative

Project ID: Kansas Street
Client Name: Knoll Environmental, Inc.

Sample Number: 159587-159593
Received: 12/21/04

Physical Condition of Samples

This project was received by the laboratory in satisfactory condition. The sample(s) were received undamaged, in appropriate containers with the correct preservation.

Project Documentation

This project was accompanied by satisfactory Chain of Custody documentation. The sample container label(s) agreed with the Chain of Custody.

Analysis of Sample(s)

No analytical anomalies or non-conformances were noted by the laboratory during the processing of these sample(s).

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	Knoll Env.	PROJECT ID:	Kansas St.
SAMPLE TYPE:	SOIL	REPORT DATE:	1/4/05
COLLECTION DATE:	12/17/05	ANALYZED BY:	KH
REC'D BY LAB:	12/21/05	ANALYSIS DATE:	12/30/04
COLLECTED BY:	CLIENT	EXTRACTION DATE:	12/22/04

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	159587
SAMPLE LOCATION:	KB-9

10 X Dilution *	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	50.0
Arochlor 1232	ND	50.0
Arochlor 1016/1242	92.9	50.0
Arochlor 1248	ND	50.0
Arochlor 1254	2540*	500
Arochlor 1260	ND	50.0
Arochlor 1262	ND	50.0
Arochlor 1268	ND	50.0

Recovery: (30-150%)		**Limit**
TCMX Signal 1	102%	30-150%
DCBP Signal 1	102%	30-150%
TCMX Signal 2	102%	30-150%
DCBP Signal 2	98%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	Knoll Env.	PROJECT ID:	Kansas St.
SAMPLE TYPE:	SOIL	REPORT DATE:	1/4/05
COLLECTION DATE:	12/17/05	ANALYZED BY:	KH
REC'D BY LAB:	12/21/05	ANALYSIS DATE:	12/30/04
COLLECTED BY:	CLIENT	EXTRACTION DATE:	12/22/04

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	159588
SAMPLE LOCATION:	KB-11

	RESULTS (µg/Kg)	DETECTION LIMIT (µg/Kg)
Arochlor 1221	ND	50.0
Arochlor 1232	ND	50.0
Arochlor 1016/1242	93.4	50.0
Arochlor 1248	ND	50.0
Arochlor 1254	97.1	50.0
Arochlor 1260	ND	50.0
Arochlor 1262	ND	50.0
Arochlor 1268	ND	50.0

Recovery: (30-150%)		**Limit**
TCMX Signal 1	100%	30-150%
DCBP Signal 1	94%	30-150%
TCMX Signal 2	98%	30-150%
DCBP Signal 2	96%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	Knoll Env.	PROJECT ID:	Kansas St.
SAMPLE TYPE:	SOIL	REPORT DATE:	1/4/05
COLLECTION DATE:	12/17/05	ANALYZED BY:	KH
REC'D BY LAB:	12/21/05	ANALYSIS DATE:	12/30/04
COLLECTED BY:	CLIENT	EXTRACTION DATE:	12/22/04

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	159589
SAMPLE LOCATION:	KB-35

125 X Dilution *	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	50.0
Arochlor 1232	ND	50.0
Arochlor 1016/1242	**702**	50.0
Arochlor 1248	ND	50.0
Arochlor 1254	**74500***	6250
Arochlor 1260	ND	50.0
Arochlor 1262	ND	50.0
Arochlor 1268	ND	50.0

Recovery: (30-150%)		**Limit**
TCMX Signal 1	96%	30-150%
DCBP Signal 1	102%	30-150%
TCMX Signal 2	96%	30-150%
DCBP Signal 2	98%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**Knoll Env.**	PROJECT ID:	Kansas St.
SAMPLE TYPE:	SOIL	REPORT DATE:	1/4/05
COLLECTION DATE:	12/17/05	ANALYZED BY:	KH
REC'D BY LAB:	12/21/05	ANALYSIS DATE:	12/30/04
COLLECTED BY:	CLIENT	EXTRACTION DATE:	12/22/04

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	159590
SAMPLE LOCATION:	KB-29

25 X Dilution *	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	50.0
Arochlor 1232	ND	50.0
Arochlor 1016/1242	**171**	50.0
Arochlor 1248	ND	50.0
Arochlor 1254	**5820***	1250
Arochlor 1260	ND	50.0
Arochlor 1262	ND	50.0
Arochlor 1268	ND	50.0

Recovery: (30-150%)		**Limit**
TCMX Signal 1	102%	30-150%
DCBP Signal 1	104%	30-150%
TCMX Signal 2	96%	30-150%
DCBP Signal 2	102%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**Knoll Env.**	PROJECT ID:	Kansas St.
SAMPLE TYPE:	SOIL	REPORT DATE:	1/4/05
COLLECTION DATE:	12/17/05	ANALYZED BY:	KH
REC'D BY LAB:	12/21/05	ANALYSIS DATE:	12/30/04
COLLECTED BY:	CLIENT	EXTRACTION DATE:	12/22/04

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	159591
SAMPLE LOCATION:	KB-61

100 X Dilution on all except 2500 X Dilution * 5000 X Dilution **	RESULTS (µg/Kg)	DETECTION LIMIT (µg/Kg)
Arochlor 1221	ND	5000
Arochlor 1232	ND	5000
Arochlor 1016/1242	311000*	125000
Arochlor 1248	ND	5000
Arochlor 1254	2690000**	250000
Arochlor 1260	ND	5000
Arochlor 1262	ND	5000
Arochlor 1268	ND	5000

Recovery: (30-150%)		**Limit**
TCMX Signal 1	*	30-150%
DCBP Signal 1	*	30-150%
TCMX Signal 2	*	30-150%
DCBP Signal 2	*	30-150%

*DUE TO MATRIX INTERFERENCE THERE IS NO MEASUREABLE SURROGATE RECOVERY

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	Knoll Env.	PROJECT ID:	Kansas St.
SAMPLE TYPE:	SOIL	REPORT DATE:	1/4/05
COLLECTION DATE:	12/17/05	ANALYZED BY:	KH
REC'D BY LAB:	12/21/05	ANALYSIS DATE:	12/30/04
COLLECTED BY:	CLIENT	EXTRACTION DATE:	12/22/04

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	159593
SAMPLE LOCATION:	KB-63

100 X Dilution *	RESULTS (µg/Kg)	DETECTION LIMIT (µg/Kg)
Arochlor 1221	ND	50.0
Arochlor 1232	ND	50.0
Arochlor 1016/1242	238	50.0
Arochlor 1248	ND	50.0
Arochlor 1254	34800*	5000
Arochlor 1260	ND	50.0
Arochlor 1262	ND	50.0
Arochlor 1268	ND	50.0

Recovery: (30-150%)		**Limit**
TCMX Signal 1	94%	30-150%
DCBP Signal 1	96%	30-150%
TCMX Signal 2	98%	30-150%
DCBP Signal 2	98%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	Knoll Env.	PROJECT ID:	Kansas St.
SAMPLE TYPE:	SOIL	REPORT DATE:	1/4/05
COLLECTION DATE:	12/17/05	ANALYZED BY:	KH
REC'D BY LAB:	12/21/05	ANALYSIS DATE:	12/30/04
COLLECTED BY:	CLIENT	EXTRACTION DATE:	12/22/04

PCB SOLID MCP QC SHEET

BLANK = ND MDL = 50 µg/Kg

	LCS %	MS	MSD	% Rec. Limits	RPD	LIMIT
Arochlor 1221	N/A	N/A	N/A	40-140	N/A	50
Arochlor 1232	N/A	N/A	N/A	40-140	N/A	50
Arochlor 1016	99	N/A	N/A	40-140	N/A	50
Arochlor 1248	N/A	N/A	N/A	40-140	N/A	50
Arochlor 1254	N/A	N/A	N/A	40-140	N/A	50
Arochlor 1260	100	N/A	N/A	40-140	N/A	50
SURROGATE: (30-150%)	BLANK	LCS				
TCMX SIGNAL 1	94%	98%				
DCBP SIGNAL 1	[illegible]	102%				
TCMX SIGNAL 2	90%	94%				
DCBP SIGNAL 2	94%	102%				

GEOLABS, INC.
45 JOHNSON LANE
BRAINTREE, MA 02184

M-MA015

LIMITATIONS & EXCLUSIONS

All the professional opinions presented in this report are based solely on the scope of work conducted and sources referred to in our report. The data presented by GeoLabs in this report was collected and analyzed using generally accepted industry methods and practices at the time the report was generated. This report represents the conditions, locations and materials that were observed at the time the work was conducted. No inferences regarding other conditions, locations or materials, at a later or earlier time may be made based on the contents of the report. No other warranty, express or implied is made.

This report was prepared for the sole use of our client. Portions of the report may not be used independent of the entire report.

All analyses were performed within required holding times, in accordance with EPA protocols and using accepted QA/QC procedures. All QA/QC meets acceptable limits unless otherwise noted. The information contained in this report is, to the best of my knowledge, accurate and complete.

This lab report meets all requirements of NELAC unless otherwise noted.

Any and all subsequent pages of this report are chain(s) of custody.

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
Fax: (781) 449-1623

Turn Around Time: NORMAL
Due Date:

Project Name: KANSAS ST.

COC# 057

PO# 057-

Comments:

Collected By: JOD

1°

Sample ID	Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 (PAH's)	VPH (TPH)	EPH (TPH)	RCRA 8 ☐Dissolved ☐Total	8080 (PCB)	Amrec Specs	Bardon Trimount	ESMI Specs	Asb. by PLM
KB-9 (4-8')	12.17.04	SOIL	—	1				159587				X				
KB-11 (4-8')			—	1				159588				X				
KB-35 (4-8')			—	1				159589				X				
KB-29 (4-8')			—	1				159590				X				
KB-61 (0-4')			—	1				159591				X				
KB-62 (0-4')			—	1				159592				X				
KB-63 (0-4')	↓	↓	—	1				159593				X				

Relinquished By:	Date/Time:	Relinquished By:	Date/Time:	Relinquished By:	Date/Time:
	12.20.04		12-21-04 12:40		
Received By:	Date/Time:	Received By:	Date/Time:	Received By:	Date/Time:
	12-21-04 12:15	Danielle Rizza	12-21-04 12:40		

GW=Ground Water S=Sediments/Soil WW=Waste Water

F/Formats/Misc Office Forms/Chain of Custody

05/12/2005 THU 16:22 FAX 1 781 848 7811 Geo Labs Inc 013/013

GeoLabs, Inc.

Environmental Laboratories

LABORATORY REPORT

PREPARED FOR:

Knoll Environmental, Inc.
69 Wexford Street
Needham, MA 02494

PROJECT ID: 2 Kansas Street

GEOLABS CERTIFICATION #: M-MA015

SAMPLE NUMBER: 153025 - 153041

DATE PREPARED: August 6, 2004

PREPARED BY: Christine Johnson

APPROVED BY:

Jim Chen, Laboratory Director

GeoLabs, Inc.
Environmental Laboratories

MADEP MCP Response Action Analytical Report Certification Form

Laboratory Name:	GeoLabs, Inc.	Project #:	2 Kansas Street
Project Location:		MADEP RTN:	

This form provides certifications for the following data set: 153025 - 153041

Sample matrices: Groundwater ( ) Soil / Sediment (x) Drinking Water ( ) Other ( )

MCP SW-846 Methods Used	8260B ( )	8151A ( )	8330 ( )	6010B ( )	7470/1A ( )	Other: ( )
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )	
	8082 (x)	8021B ( )	EPH ( )	7000 S[3] ( )		

As specified in MADEP Compendium of Analytical Methods (Check all that apply)
1- List Release Tracking Number (RTN), if known
2- M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Meth
3- S - SW-846 Methods 7000 Series (List individual method and analyte)

An affirmative response to questions A, B, and C is required for "*Presumptive Certainty*" status

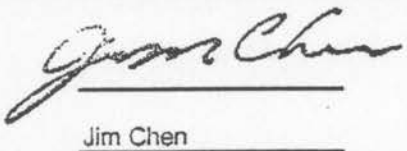
A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	Yes (x)	No[1] ( )
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (x)	No[1] ( )
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP documents CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	Yes (x)	No[1] ( )

A response to questions D and E below is required for "*Presumptive Certainty*" status

D	Were all QC performance standards and recommendations for the specified methods achieved?	Yes (x)	No[1] ( )
E	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes (x)	No[1] ( )

[1]All NO answeres must be addressed in an attached Environmental Laboratory case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:  Position: Lab Director

Printed Name: Jim Chen Date: August 6, 2004

GeoLabs, Inc.

Environmental Laboratories

Case Narrative

Project ID: 2 Kansas Street
Client Name: Knoll Environmental, Inc.

Sample Number: 153025 - 153041
Received: 08/02/04

Physical Condition of Samples

This project was received by the laboratory in satisfactory condition. The sample(s) were received undamaged, in appropriate containers with the correct preservation.

Project Documentation

This project was accompanied by satisfactory Chain of Custody documentation. The sample container label(s) agreed with the Chain of Custody.

Analysis of Sample(s)

The following analytical anomalies or non-conformances were noted by the laboratory during the processing of these sample(s):

1. Surrogate recoveries for the following samples were diluted out:
   153032 - 153035, 153037 - 153038

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	2 KANSAS ST.
SAMPLE TYPE:	SOIL	REPORT DATE:	08/06/04
COLLECTION DATE:	07/21/04	ANALYZED BY:	GP
REC'D BY LAB:	08/02/04	ANALYSIS DATE:	08/05/04
COLLECTED BY:	CLIENT	EXTRACTION DATE:	08/03/04

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	153025	153026	153027	
SAMPLE LOCATION:	KB-1	KB-10	KB-12	
50x dilution on all		**RESULTS (µg/Kg)**		**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	ND	ND	2500
Arochlor 1232	ND	ND	ND	2500
Arochlor 1016/1242	ND	ND	ND	2500
Arochlor 1248	ND	ND	ND	2500
Arochlor 1254	3880	12300	16700	2500
Arochlor 1260	ND	ND	ND	2500
Arochlor 1262	ND	ND	ND	2500
Arochlor 1268	ND	ND	ND	2500
Recovery: (30-150%)				**Limit**
TCMX Signal 1	100%	100%	100%	30-150%
DCBP Signal 1	100%	100%	100%	30-150%
TCMX Signal 2	100%	100%	100%	30-150%
DCBP Signal 2	100%	100%	100%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	KNOLL ENVIRONMENTAL	PROJECT ID:	2 KANSAS ST.
SAMPLE TYPE:	SOIL	REPORT DATE:	08/06/04
COLLECTION DATE:	07/21/04	ANALYZED BY:	GP
REC'D BY LAB:	08/02/04	ANALYSIS DATE:	08/05/04
COLLECTED BY:	CLIENT	EXTRACTION DATE:	08/03/04

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	153028	153029	153030
SAMPLE LOCATION:	KB-14	KB-15	KB-16

50x dilution on all	RESULTS (µg/Kg)			DETECTION LIMIT (µg/Kg)
Arochlor 1221	ND	ND	ND	2500
Arochlor 1232	ND	ND	ND	2500
Arochlor 1016/1242	ND	ND	ND	2500
Arochlor 1248	ND	ND	ND	2500
Arochlor 1254	**13200**	**6930**	**23500**	2500
Arochlor 1260	ND	ND	ND	2500
Arochlor 1262	ND	ND	ND	2500
Arochlor 1268	ND	ND	ND	2500
Recovery: (30-150%)				**Limit**
TCMX Signal 1	100%	100%	100%	30-150%
DCBP Signal 1	100%	100%	100%	30-150%
TCMX Signal 2	100%	100%	100%	30-150%
DCBP Signal 2	100%	100%	100%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	KNOLL ENVIRONMENTAL	PROJECT ID:	2 KANSAS ST.
SAMPLE TYPE:	SOIL	REPORT DATE:	08/06/04
COLLECTION DATE:	07/21/04	ANALYZED BY:	GP
REC'D BY LAB:	08/02/04	ANALYSIS DATE:	08/05/04
COLLECTED BY:	CLIENT	EXTRACTION DATE:	08/03/04

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	153031	153032	
SAMPLE LOCATION:	KB-21	KB-22	
50x dilution on all	**RESULTS (µg/Kg)**		**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	ND	2500
Arochlor 1232	ND	ND	2500
Arochlor 1016/1242	ND	ND	2500
Arochlor 1248	ND	ND	2500
Arochlor 1254	**27600**	**193000**	2500
Arochlor 1260	ND	ND	2500
Arochlor 1262	ND	ND	2500
Arochlor 1268	ND	ND	2500
Recovery: (30-150%)			**Limit**
TCMX Signal 1	100%	D	30-150%
DCBP Signal 1	100%	D	30-150%
TCMX Signal 2	100%	D	30-150%
DCBP Signal 2	100%	D	30-150%

D= Diluted Out

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	KNOLL ENVIRONMENTAL	PROJECT ID:	2 KANSAS ST.
SAMPLE TYPE:	SOIL	REPORT DATE:	08/06/04
COLLECTION DATE:	07/21/04	ANALYZED BY:	GP
REC'D BY LAB:	08/02/04	ANALYSIS DATE:	08/05/04
COLLECTED BY:	CLIENT	EXTRACTION DATE:	08/03/04

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	153033
SAMPLE LOCATION:	KB-29

25000 dilution on all	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	1250000
Arochlor 1232	ND	1250000
Arochlor 1016/1242	ND	1250000
Arochlor 1248	ND	1250000
Arochlor 1254	6650000	1250000
Arochlor 1260	ND	1250000
Arochlor 1262	ND	1250000
Arochlor 1268	ND	1250000

Recovery: (30-150%)		**Limit**
TCMX Signal 1	D	30-150%
DCBP Signal 1	D	30-150%
TCMX Signal 2	D	30-150%
DCBP Signal 2	D	30-150%

D= Diluted Out

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	2 KANSAS ST.
SAMPLE TYPE:	SOIL	REPORT DATE:	08/06/04
COLLECTION DATE:	07/21/04	ANALYZED BY:	GP
REC'D BY LAB:	08/02/04	ANALYSIS DATE:	08/05/04
COLLECTED BY:	CLIENT	EXTRACTION DATE:	08/03/04

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	153034	153035
SAMPLE LOCATION:	KB-30	KB-37

500x dilution on all	**RESULTS (µg/Kg)**		**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	ND	25000
Arochlor 1232	ND	ND	25000
Arochlor 1016/1242	ND	ND	25000
Arochlor 1248	ND	ND	25000
Arochlor 1254	**260000**	**244000**	25000
Arochlor 1260	ND	ND	25000
Arochlor 1262	ND	ND	25000
Arochlor 1268	ND	ND	25000
Recovery: (30-150%)			**Limit**
TCMX Signal 1	D	D	30-150%
DCBP Signal 1	D	D	30-150%
TCMX Signal 2	D	D	30-150%
DCBP Signal 2	D	D	30-150%

D= Diluted Out

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	KNOLL ENVIRONMENTAL	PROJECT ID:	2 KANSAS ST.
SAMPLE TYPE:	SOIL	REPORT DATE:	08/06/04
COLLECTION DATE:	07/21/04	ANALYZED BY:	GP
REC'D BY LAB:	08/02/04	ANALYSIS DATE:	08/05/04
COLLECTED BY:	CLIENT	EXTRACTION DATE:	08/03/04

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	153036
SAMPLE LOCATION:	KB-38

50x dilution on all	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	2500
Arochlor 1232	ND	2500
Arochlor 1016/1242	ND	2500
Arochlor 1248	ND	2500
Arochlor 1254	**28200**	2500
Arochlor 1260	ND	2500
Arochlor 1262	ND	2500
Arochlor 1268	ND	2500

Recovery: (30-150%)		**Limit**
TCMX Signal 1	100%	30-150%
DCBP Signal 1	100%	30-150%
TCMX Signal 2	100%	30-150%
DCBP Signal 2	100%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	2 KANSAS ST.
SAMPLE TYPE:	SOIL	REPORT DATE:	08/06/04
COLLECTION DATE:	07/21/04	ANALYZED BY:	GP
REC'D BY LAB:	08/02/04	ANALYSIS DATE:	08/05/04
COLLECTED BY:	CLIENT	EXTRACTION DATE:	08/03/04

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	153037	153038
SAMPLE LOCATION:	KB-43	KB-44

500x dilution on all	**RESULTS (µg/Kg)**		**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	ND	25000
Arochlor 1232	ND	ND	25000
Arochlor 1016/1242	ND	ND	25000
Arochlor 1248	ND	ND	25000
Arochlor 1254	**101000**	**112000**	25000
Arochlor 1260	ND	ND	25000
Arochlor 1262	ND	ND	25000
Arochlor 1268	ND	ND	25000
Recovery: (30-150%)			**Limit**
TCMX Signal 1	D	D	30-150%
DCBP Signal 1	D	D	30-150%
TCMX Signal 2	D	D	30-150%
DCBP Signal 2	D	D	30-150%

D= Diluted Out

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	KNOLL ENVIRONMENTAL	PROJECT ID:	2 KANSAS ST.
SAMPLE TYPE:	SOIL	REPORT DATE:	08/06/04
COLLECTION DATE:	07/21/04	ANALYZED BY:	GP
REC'D BY LAB:	08/02/04	ANALYSIS DATE:	08/05/04
COLLECTED BY:	CLIENT	EXTRACTION DATE:	08/03/04

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	153039	153040	
SAMPLE LOCATION:	KB-45	KB-51	
50x dilution on all	**RESULTS (µg/Kg)**		**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	ND	2500
Arochlor 1232	ND	ND	2500
Arochlor 1016/1242	ND	ND	2500
Arochlor 1248	ND	ND	2500
Arochlor 1254	**9840**	**11300**	2500
Arochlor 1260	ND	ND	2500
Arochlor 1262	ND	ND	2500
Arochlor 1268	ND	ND	2500
Recovery: (30-150%)			**Limit**
TCMX Signal 1	100%	100%	30-150%
DCBP Signal 1	100%	100%	30-150%
TCMX Signal 2	100%	100%	30-150%
DCBP Signal 2	100%	100%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	2 KANSAS ST.
SAMPLE TYPE:	SOIL	REPORT DATE:	08/06/04
COLLECTION DATE:	07/21/04	ANALYZED BY:	GP
REC'D BY LAB:	08/02/04	ANALYSIS DATE:	08/05/04
COLLECTED BY:	CLIENT	EXTRACTION DATE:	08/03/04

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	153041
SAMPLE LOCATION:	KB-53

10x dilution on all	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	500
Arochlor 1232	ND	500
Arochlor 1016/1242	ND	500
Arochlor 1248	ND	500
Arochlor 1254	**1790**	500
Arochlor 1260	ND	500
Arochlor 1262	ND	500
Arochlor 1268	ND	500

Recovery: (30-150%)		**Limit**
TCMX Signal 1	60%	30-150%
DCBP Signal 1	80%	30-150%
TCMX Signal 2	80%	30-150%
DCBP Signal 2	40%	30-150%

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	KNOLL ENVIRONMENTAL	PROJECT ID:	2 KANSAS ST.
SAMPLE TYPE:	SOIL	REPORT DATE:	08/06/04
COLLECTION DATE:	07/21/04	ANALYZED BY:	GP
REC'D BY LAB:	08/02/04		
COLLECTED BY:	CLIENT		

PCB SOLID MCP QC SHEET

BLANK = ND MDL = 50 µg/Kg

	LCS %	MS	MSD	% Rec. Limits	RPD	LIMIT
Arochlor 1221	N/A	N/A	N/A	40-140	N/A	50
Arochlor 1232	N/A	N/A	N/A	40-140	N/A	50
Arochlor 1016	93%	N/A	N/A	40-140	N/A	50
Arochlor 1248	N/A	N/A	N/A	40-140	N/A	50
Arochlor 1254	N/A	N/A	N/A	40-140	N/A	50
Arochlor 1260	109%	N/A	N/A	40-140	N/A	50
SURROGATE: (30-150%)	BLANK	LCS				
TCMX SIGNAL 1	82%	76%				
DCBP SIGNAL 1	108%	128%				
TCMX SIGNAL 2	84%	80%				
DCBP SIGNAL 2	74%	136%				

GEOLABS, INC.
45 JOHNSON LANE
BRAINTREE, MA 02184
M-MA015

LIMITATIONS & EXCLUSIONS

All the professional opinions presented in this report are based solely on the scope of work conducted and sources referred to in our report. The data presented by GeoLabs in this report was collected and analyzed using generally accepted industry methods and practices at the time the report was generated. This report represents the conditions, locations and materials that were observed at the time the work was conducted. No inferences regarding other conditions, locations or materials, at a later or earlier time may be made based on the contents of the report. No other warranty, express or implied is made.

This report was prepared for the sole use of our client. Portions of the report may not be used independent of the entire report.

All analyses were performed within required holding times, in accordance with EPA protocols and using accepted QA/QC procedures. All QA/QC meets acceptable limits unless otherwise noted. The information contained in this report is, to the best of my knowledge, accurate and complete.

Any and all subsequent pages of this report are chain(s) of custody.

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
Fax: (781) 449-1623

Turn Around Time: NORMAL
Due Date:

Project Name: 2 Kansas St.

COC# 35

PO# 35

Comments:

Collected By: JOD

Sample ID	Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 (PAH's)	VPH (TPH)	EPH (TPH)	RCRA 8 ☐Dissolved ☐Total	8080 (PCB)	Amrec Specs	Barden Trimount	ESMI Specs	Asb. by PLM
KB-1	7-21-04	S-T	—	1				153025				X				
KB-10			—	1				153026				X				
KB-13			—	1				153027				X				
KB-14			—	1				153028				X				
KB-15			—	1				153029				X				
KB-16			—	1				153030				X				
KB-21			—	1				153031				X				
KB-22			—	1				153032				X				
KB-29	↓	↓	—	1				153033				X				

Relinquished By:	Date/Time:	Relinquished By:	Date/Time:	Relinquished By:	Date/Time:
		M. C	8.2.04 9:15		
Received By:	**Date/Time:**	**Received By:**	**Date/Time:**	**Received By:**	**Date/Time:**
M. C	8-2-04 8:45		9/2/04 0945		

GW=Ground Water S=Sediments/Soil WW=Waste Water

F/Formats/Misc Office Forms/Chain of Custody

08/30/2004 FRI 14:36 FAX 781 449 7811 GEO LABS INC 015/016

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
Fax: (781) 449-1623

Turn Around Time: NORMAL
Due Date:

Project Name: 2 Kansas St.

COC# 35

PO# 35

Comments: Sean, Please extract the sample soon; ~~of the rest~~

Collected By: JOD

Sample ID	Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 (PAH's)	VPH (TPH)	EPH (TPH)	RCRA 8 ☐Dissolved ☐Total	8080 (PCB)	Amrec Specs	Bardon Trimount	ESMI Specs	Asb. by PLM
KB-30	7-21-04	Soil	—	1					153034			X				
KB-37			—	1					153035			X				
KB-38			—	1					153036			X				
KB-43			—	1					153037			X				
KB-44			—	1					153038			X				
KB-45			—	1					153039			X				
KB-51			—	1					153040			X				
KB-53	↓	↓	—	1					153041			X				

Relinquished By:	Date/Time:	Relinquished By:	Date/Time:	Relinquished By:	Date/Time:
Momin	7/30/04	M.	8-2-04 8:15		
Received By:	**Date/Time:**	**Received By:**	**Date/Time:**	**Received By:**	**Date/Time:**
M.	8-2-04 8:15	Jan M'Ath	8/2/04 0915		

GW=Ground Water S=Sediments/Soil WW=Waste Water

F/Formats/Misc Office Forms/Chain of Custody

GeoLabs, Inc.

Environmental Laboratories

LABORATORY REPORT

PREPARED FOR:

Knoll Environmental, Inc.
69 Wexford Street
Needham, MA 02494

PROJECT ID:	2 Kansas Street
GEOLABS CERTIFICATION #:	M-MA015
SAMPLE NUMBER:	152343-152374
DATE PREPARED:	July 28, 2004
PREPARED BY:	Karen Mullally
APPROVED BY:	Jim Chen, Laboratory Director

GeoLabs, Inc.
Environmental Laboratories

MADEP MCP Response Action Analytical Report Certification Form

Laboratory Name:	GeoLabs, Inc.	Project #:	2 Kansas Street
Project Location:	0	MADEP RTN:	

This form provides certifications for the following data set: 152343-152374

Sample matrices: Groundwater ( ) Soil / Sediment (x) Drinking Water ( ) Other ( )

MCP SW-846 Methods Used	8260B ( )	8151A ( )	8330 ( )	6010B (x)	7470/1A (x)	Other: ( )
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )	
	8082 (x)	8021B ( )	EPH ( )	7000 S[3] ( )		

As specified in MADEP Compendium of Analytical Methods (Check all that apply)
1- List Release Tracking Number (RTN), if known
2- M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Meth
3- S - SW-846 Methods 7000 Series (List individual method and analyte)

An affirmative response to questions A, B, and C is required for "*Presumptive Certainty*" status

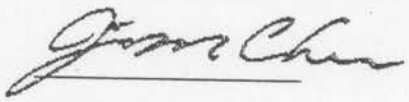
A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	Yes (x)	No[1] ( )
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (x)	No[1] ( )
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP documents CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	Yes (x)	No[1] ( )

A response to questions D and E below is required for "*Presumptive Certainty*" status

D	Were all QC performance standards and recommendations for the specified methods achieved?	Yes (x)	No[1] ( )
E	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes (x)	No[1] ( )

[1]All NO answeres must be addressed in an attached Environmental Laboratory case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:  Position: Lab Director

Printed Name: Jim Chen Date: July 28, 2004

GeoLabs, Inc.

Environmental Laboratories

Case Narrative

Project ID: 2 Kansas Street
Client Name: Knoll Environmental, Inc.

Sample Number: 152343-152374
Received: 07/22/04

Physical Condition of Samples

This project was received by the laboratory in satisfactory condition. The sample (s) were received undamaged, in appropriate containers with the correct preservation, with the following exceptions.

1. Samples received with a temperature of 10 deg

Project Documentation

This project was accompanied by satisfactory Chain of Custody documentation. The sample container label(s) agreed with the Chain of Custody.

Analysis of Sample(s)

No analytical anomalies or non-conformances were noted by the laboratory during the processing of these sample(s).

Several samples were so highly concentrated that high dilutions resulted in the surrogates being diluted out.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**Knoll Environmental**	PROJECT ID:	2 Kansas St.
SAMPLE TYPE:	SOIL	REPORT DATE:	7/28/04
COLLECTION DATE:	7/21/04	ANALYZED BY:	CL/GP 07/27/04
REC'D BY LAB:	7/22/04	EXTRACTION DATE:	7/23/04
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	152343
SAMPLE LOCATION:	KB-5

50 X Dilution	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	2500
Arochlor 1232	ND	2500
Arochlor 1016/1242	ND	2500
Arochlor 1248	ND	2500
Arochlor 1254	27700	2500
Arochlor 1260	ND	2500
Arochlor 1262	ND	2500
Arochlor 1268	ND	2500
Recovery: (30-150%)		
TCMX Signal 1	100%	
DCBP Signal 1	100%	
TCMX Signal 2	100%	
DCBP Signal 2	100%	

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**Knoll Environmental**	PROJECT ID:	2 Kansas St.
SAMPLE TYPE:	SOIL	REPORT DATE:	7/28/04
COLLECTION DATE:	7/21/04	ANALYZED BY:	CL/GP 07/27/04
REC'D BY LAB:	7/22/04	EXTRACTION DATE:	7/23/04
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	152344
SAMPLE LOCATION:	KB-6

10 X Dilution	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	500
Arochlor 1232	ND	500
Arochlor 1016/1242	ND	500
Arochlor 1248	ND	500
Arochlor 1254	**3470**	500
Arochlor 1260	ND	500
Arochlor 1262	ND	500
Arochlor 1268	ND	500
Recovery: (30-150%)		
TCMX Signal 1	60%	
DCBP Signal 1	80%	
TCMX Signal 2	80%	
DCBP Signal 2	80%	

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**Knoll Environmental**	PROJECT ID:	2 Kansas St.
SAMPLE TYPE:	SOIL	REPORT DATE:	7/28/04
COLLECTION DATE:	7/21/04	ANALYZED BY:	CL/GP 07/27/04
REC'D BY LAB:	7/22/04	EXTRACTION DATE:	7/23/04
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	152345	152346	152347	
SAMPLE LOCATION:	KB-11	KB-12	KB-17	
50 X Dilution	**RESULTS (µg/Kg)**			**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	ND	ND	2500
Arochlor 1232	ND	ND	ND	2500
Arochlor 1016/1242	ND	ND	ND	2500
Arochlor 1248	ND	ND	ND	2500
Arochlor 1254	**33300**	**8500**	**18100**	2500
Arochlor 1260	ND	ND	ND	2500
Arochlor 1262	ND	ND	ND	2500
Arochlor 1268	ND	ND	ND	2500
Recovery: (30-150%)				
TCMX Signal 1	100%	100%	100%	
DCBP Signal 1	100%	100%	100%	
TCMX Signal 2	100%	100%	100%	
DCBP Signal 2	100%	100%	100%	

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**Knoll Environmental**	PROJECT ID:	2 Kansas St.
SAMPLE TYPE:	SOIL	REPORT DATE:	7/28/04
COLLECTION DATE:	7/21/04	ANALYZED BY:	CL/GP 07/27/04
REC'D BY LAB:	7/22/04	EXTRACTION DATE:	7/23/04
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	152348
SAMPLE LOCATION:	KB-18

25 X Dilution	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	1250
Arochlor 1232	ND	1250
Arochlor 1016/1242	ND	1250
Arochlor 1248	ND	1250
Arochlor 1254	**10700**	1250
Arochlor 1260	ND	1250
Arochlor 1262	ND	1250
Arochlor 1268	ND	1250
Recovery: (30-150%)		
TCMX Signal 1	100%	
DCBP Signal 1	100%	
TCMX Signal 2	100%	
DCBP Signal 2	100%	

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**Knoll Environmental**	PROJECT ID:	2 Kansas St.
SAMPLE TYPE:	SOIL	REPORT DATE:	7/28/04
COLLECTION DATE:	7/21/04	ANALYZED BY:	CL/GP 07/27/04
REC'D BY LAB:	7/22/04	EXTRACTION DATE:	7/23/04
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	152349
SAMPLE LOCATION:	KB-19

50 X Dilution on all except 500 X Dilution *	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	2500
Arochlor 1232	ND	2500
Arochlor 1016/1242	33200	2500
Arochlor 1248	ND	2500
Arochlor 1254	455000*	25000
Arochlor 1260	ND	2500
Arochlor 1262	ND	2500
Arochlor 1268	ND	2500

Recovery: (30-150%)	
TCMX Signal 1	d
DCBP Signal 1	d
TCMX Signal 2	d
DCBP Signal 2	d

d = surrogate diluted out

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**Knoll Environmental**	PROJECT ID:	2 Kansas St.
SAMPLE TYPE:	SOIL	REPORT DATE:	7/28/04
COLLECTION DATE:	7/21/04	ANALYZED BY:	CL/GP 07/27/04
REC'D BY LAB:	7/22/04	EXTRACTION DATE:	7/23/04
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	152350	152351	
SAMPLE LOCATION:	KB-20	KB-23	
500 X Dilution		**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	ND	25000
Arochlor 1232	ND	ND	25000
Arochlor 1016/1242	ND	158000	25000
Arochlor 1248	ND	ND	25000
Arochlor 1254	243000	321000	25000
Arochlor 1260	ND	ND	25000
Arochlor 1262	ND	ND	25000
Arochlor 1268	ND	ND	25000
Recovery: (30-150%)			
TCMX Signal 1	d	d	
DCBP Signal 1	d	d	
TCMX Signal 2	d	d	
DCBP Signal 2	d	d	

d = surrogate diluted out

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**Knoll Environmental**	PROJECT ID:	2 Kansas St.
SAMPLE TYPE:	SOIL	REPORT DATE:	7/28/04
COLLECTION DATE:	7/21/04	ANALYZED BY:	CL/GP 07/27/04
REC'D BY LAB:	7/22/04	EXTRACTION DATE:	7/23/04
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	152352
SAMPLE LOCATION:	KB-24

50 X Dilution	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	2500
Arochlor 1232	ND	2500
Arochlor 1016/1242	ND	2500
Arochlor 1248	ND	2500
Arochlor 1254	**36500**	2500
Arochlor 1260	ND	2500
Arochlor 1262	ND	2500
Arochlor 1268	ND	2500
Recovery: (30-150%)		
TCMX Signal 1	d	
DCBP Signal 1	d	
TCMX Signal 2	d	
DCBP Signal 2	d	

d = surrogate diluted out

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**Knoll Environmental**	PROJECT ID:	2 Kansas St.
SAMPLE TYPE:	SOIL	REPORT DATE:	7/28/04
COLLECTION DATE:	7/21/04	ANALYZED BY:	CL/GP 07/27/04
REC'D BY LAB:	7/22/04	EXTRACTION DATE:	7/23/04
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	152353
SAMPLE LOCATION:	KB-25

250 X Dilution	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	12500
Arochlor 1232	ND	12500
Arochlor 1016/1242	ND	12500
Arochlor 1248	ND	12500
Arochlor 1254	45000	12500
Arochlor 1260	ND	12500
Arochlor 1262	ND	12500
Arochlor 1268	ND	12500
Recovery: (30-150%)		
TCMX Signal 1	d	
DCBP Signal 1	d	
TCMX Signal 2	d	
DCBP Signal 2	d	

d = surrogate diluted out

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**Knoll Environmental**	PROJECT ID:	2 Kansas St.
SAMPLE TYPE:	SOIL	REPORT DATE:	7/28/04
COLLECTION DATE:	7/21/04	ANALYZED BY:	CL/GP 07/27/04
REC'D BY LAB:	7/22/04	EXTRACTION DATE:	7/23/04
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	152354
SAMPLE LOCATION:	KB-26

25 X Dilution	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	1250
Arochlor 1232	ND	1250
Arochlor 1016/1242	ND	1250
Arochlor 1248	ND	1250
Arochlor 1254	18200	1250
Arochlor 1260	ND	1250
Arochlor 1262	ND	1250
Arochlor 1268	ND	1250
Recovery: (30-150%)		
TCMX Signal 1	50%	
DCBP Signal 1	100%	
TCMX Signal 2	100%	
DCBP Signal 2	100%	

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**Knoll Environmental**	PROJECT ID:	2 Kansas St.
SAMPLE TYPE:	SOIL	REPORT DATE:	7/28/04
COLLECTION DATE:	7/21/04	ANALYZED BY:	CL/GP 07/27/04
REC'D BY LAB:	7/22/04	EXTRACTION DATE:	7/23/04
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	152355
SAMPLE LOCATION:	KB-31

250 X Dilution	RESULTS (µg/Kg)	DETECTION LIMIT (µg/Kg)
Arochlor 1221	ND	12500
Arochlor 1232	ND	12500
Arochlor 1016/1242	ND	12500
Arochlor 1248	ND	12500
Arochlor 1254	**68100**	12500
Arochlor 1260	ND	12500
Arochlor 1262	ND	12500
Arochlor 1268	ND	12500
Recovery: (30-150%)		
TCMX Signal 1	d	
DCBP Signal 1	d	
TCMX Signal 2	d	
DCBP Signal 2	d	

d = surrogate diluted out

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**Knoll Environmental**	PROJECT ID:	2 Kansas St.
SAMPLE TYPE:	SOIL	REPORT DATE:	7/28/04
COLLECTION DATE:	7/21/04	ANALYZED BY:	CL/GP 07/27/04
REC'D BY LAB:	7/22/04	EXTRACTION DATE:	7/23/04
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	152356
SAMPLE LOCATION:	KB-32

10 X Dilution	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	500
Arochlor 1232	ND	500
Arochlor 1016/1242	ND	500
Arochlor 1248	ND	500
Arochlor 1254	6810	500
Arochlor 1260	ND	500
Arochlor 1262	ND	500
Arochlor 1268	ND	500
Recovery: (30-150%)		
TCMX Signal 1	80%	
DCBP Signal 1	120%	
TCMX Signal 2	60%	
DCBP Signal 2	120%	

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**Knoll Environmental**	PROJECT ID:	2 Kansas St
SAMPLE TYPE:	SOIL	REPORT DATE:	07/28/04
COLLECTION DATE:	07/21/04	ANALYZED BY:	CL
REC'D BY LAB:	07/22/04	ANALYSIS DATE:	07/26/04
COLLECTED BY:	CLIENT	EXTRACTION DATE:	N/A

PCB SOLID MCP QC SHEET

BLANK = ND MDL = 50 µg/Kg

	BLANK	MDL	LCS	MS	MSD	% Rec. Limits
Arochlor 1221	ND	50 ug/kg	N/A	N/A	N/A	40-140
Arochlor 1232	ND	50 ug/kg	N/A	N/A	N/A	40-140
Arochlor 1016	ND	50 ug/kg	76	N/A	N/A	40-140
Arochlor 1248	ND	50 ug/kg	N/A	N/A	N/A	40-140
Arochlor 1254	ND	50 ug/kg	N/A	N/A	N/A	40-140
Arochlor 1260	ND	50 ug/kg	107	N/A	N/A	40-140
SURROGATE: (30-150%						
TCMX SIGNAL 1	38%		56%			
DCBP SIGNAL 1	106%		122%			
TCMX SIGNAL 2	46%		50%			
DCBP SIGNAL 2	122%		128%			

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**Knoll Environmental**	PROJECT ID:	2 Kansas St
SAMPLE TYPE:	SOIL	REPORT DATE:	7/28/04
COLLECTION DATE:	7/21/04	ANALYZED BY:	CL/GP 07/28/04
REC'D BY LAB:	7/22/04	EXTRACTION DATE:	7/26/04
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	152357
SAMPLE LOCATION:	KB-33

50 X Dilution	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	2500
Arochlor 1232	ND	2500
Arochlor 1016/1242	ND	2500
Arochlor 1248	ND	2500
Arochlor 1254	**27500**	2500
Arochlor 1260	ND	2500
Arochlor 1262	ND	2500
Arochlor 1268	ND	2500
Recovery: (30-150%)		
TCMX Signal 1	100%	
DCBP Signal 1	100%	
TCMX Signal 2	100%	
DCBP Signal 2	100%	

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**Knoll Environmental**	PROJECT ID:	2 Kansas St
SAMPLE TYPE:	SOIL	REPORT DATE:	7/28/04
COLLECTION DATE:	7/21/04	ANALYZED BY:	CL/GP 07/28/04
REC'D BY LAB:	7/22/04	EXTRACTION DATE:	7/23/04
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	152358	152359	152360	
SAMPLE LOCATION:	KB-34	KB-35	KB-36	
500 X Dilution	**RESULTS (µg/Kg)**			**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	ND	ND	25000
Arochlor 1232	ND	ND	ND	25000
Arochlor 1016/1242	ND	ND	ND	25000
Arochlor 1248	ND	ND	ND	25000
Arochlor 1254	**78200**	**82300**	**273000**	25000
Arochlor 1260	ND	ND	ND	25000
Arochlor 1262	ND	ND	ND	25000
Arochlor 1268	ND	ND	ND	25000
Recovery: (30-150%)				
TCMX Signal 1	d	d	d	
DCBP Signal 1	d	d	d	
TCMX Signal 2	d	d	d	
DCBP Signal 2	d	d	d	

d = surrogate diluted out

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**Knoll Environmental**	PROJECT ID:	2 Kansas St
SAMPLE TYPE:	SOIL	REPORT DATE:	7/28/04
COLLECTION DATE:	7/21/04	ANALYZED BY:	CL/GP 07/28/04
REC'D BY LAB:	7/22/04	EXTRACTION DATE:	7/26/04
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	152361
SAMPLE LOCATION:	KB-39

500 X Dilution	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	25000
Arochlor 1232	ND	25000
Arochlor 1016/1242	ND	25000
Arochlor 1248	ND	25000
Arochlor 1254	**54500**	25000
Arochlor 1260	ND	25000
Arochlor 1262	ND	25000
Arochlor 1268	ND	25000
Recovery: (30-150%)		
TCMX Signal 1	d	
DCBP Signal 1	d	
TCMX Signal 2	d	
DCBP Signal 2	d	

d = surrogate diluted out

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**Knoll Environmental**	PROJECT ID:	2 Kansas St
SAMPLE TYPE:	SOIL	REPORT DATE:	7/28/04
COLLECTION DATE:	7/21/04	ANALYZED BY:	CL/GP 07/28/04
REC'D BY LAB:	7/22/04	EXTRACTION DATE:	7/26/04
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	152362	152363	152364	
SAMPLE LOCATION:	KB-40	KB-41	KB-42	
50 X Dilution	**RESULTS (µg/Kg)**			**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	ND	ND	2500
Arochlor 1232	ND	ND	ND	2500
Arochlor 1016/1242	ND	ND	ND	2500
Arochlor 1248	ND	ND	ND	2500
Arochlor 1254	**4120**	**15000**	**3610**	2500
Arochlor 1260	ND	ND	ND	2500
Arochlor 1262	ND	ND	ND	2500
Arochlor 1268	ND	ND	ND	2500
Recovery: (30-150%)				
TCMX Signal 1	100%	100%	100%	
DCBP Signal 1	100%	100%	100%	
TCMX Signal 2	100%	100%	100%	
DCBP Signal 2	100%	100%	100%	

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**Knoll Environmental**	PROJECT ID:	2 Kansas St
SAMPLE TYPE:	SOIL	REPORT DATE:	7/28/04
COLLECTION DATE:	7/21/04	ANALYZED BY:	CL/GP 07/28/04
REC'D BY LAB:	7/22/04	EXTRACTION DATE:	7/26/04
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	152365	152366	152367	
SAMPLE LOCATION:	KB-48	KB-49	KB-50	
50 X Dilution	**RESULTS (µg/Kg)**			**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	ND	ND	2500
Arochlor 1232	ND	ND	ND	2500
Arochlor 1016/1242	ND	ND	ND	2500
Arochlor 1248	ND	ND	ND	2500
Arochlor 1254	**8600**	**30600**	**17800**	2500
Arochlor 1260	ND	ND	ND	2500
Arochlor 1262	ND	ND	ND	2500
Arochlor 1268	ND	ND	ND	2500
Recovery: (30-150%)				
TCMX Signal 1	100%	100%	100%	
DCBP Signal 1	100%	100%	100%	
TCMX Signal 2	100%	100%	100%	
DCBP Signal 2	100%	100%	100%	

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**Knoll Environmental**	PROJECT ID:	2 Kansas St
SAMPLE TYPE:	SOIL	REPORT DATE:	7/28/04
COLLECTION DATE:	7/21/04	ANALYZED BY:	CL/GP 07/28/04
REC'D BY LAB:	7/22/04	EXTRACTION DATE:	7/26/04
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER: 152368
SAMPLE LOCATION: KB-56

500 X Dilution	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	25000
Arochlor 1232	ND	25000
Arochlor 1016/1242	ND	25000
Arochlor 1248	ND	25000
Arochlor 1254	**63400**	25000
Arochlor 1260	ND	25000
Arochlor 1262	ND	25000
Arochlor 1268	ND	25000
Recovery: (30-150%)		
TCMX Signal 1	d	
DCBP Signal 1	d	
TCMX Signal 2	d	
DCBP Signal 2	d	

d = surrogate diluted out

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**Knoll Environmental**	PROJECT ID:	2 Kansas St
SAMPLE TYPE:	SOIL	REPORT DATE:	7/28/04
COLLECTION DATE:	7/21/04	ANALYZED BY:	CL/GP 07/28/04
REC'D BY LAB:	7/22/04	EXTRACTION DATE:	7/26/04
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	152369	152370
SAMPLE LOCATION:	KB-57	KB-58

50 X Dilution	**RESULTS (µg/Kg)**		**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	ND	2500
Arochlor 1232	ND	ND	2500
Arochlor 1016/1242	ND	ND	2500
Arochlor 1248	ND	ND	2500
Arochlor 1254	**31900**	**36800**	2500
Arochlor 1260	ND	ND	2500
Arochlor 1262	ND	ND	2500
Arochlor 1268	ND	ND	2500.0
Recovery: (30-150%)			
TCMX Signal 1	d	100%	
DCBP Signal 1	d	100%	
TCMX Signal 2	d	100%	
DCBP Signal 2	d	100%	

d = surrogate diluted out

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**Knoll Environmental**	PROJECT ID:	2 Kansas St
SAMPLE TYPE:	SOIL	REPORT DATE:	7/28/04
COLLECTION DATE:	7/21/04	ANALYZED BY:	CL/GP 07/28/04
REC'D BY LAB:	7/22/04	EXTRACTION DATE:	7/26/04
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	152371	152372	152373	
SAMPLE LOCATION:	KB-59	KB-60	KB-27	
500 x Dilution	**RESULTS (µg/Kg)**			**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	ND	ND	25000
Arochlor 1232	ND	ND	ND	25000
Arochlor 1016/1242	ND	ND	ND	25000
Arochlor 1248	ND	ND	ND	25000
Arochlor 1254	**149000**	**148000**	**145000**	25000
Arochlor 1260	ND	ND	ND	25000
Arochlor 1262	ND	ND	ND	25000
Arochlor 1268	ND	ND	ND	25000
Recovery: (30-150%)				
TCMX Signal 1	d	d	d	
DCBP Signal 1	d	d	d	
TCMX Signal 2	d	d	d	
DCBP Signal 2	d	d	d	

d = surrogate diluted out

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**Knoll Environmental**	PROJECT ID:	2 Kansas St
SAMPLE TYPE:	SOIL	REPORT DATE:	7/28/04
COLLECTION DATE:	7/21/04	ANALYZED BY:	CL/GP 07/28/04
REC'D BY LAB:	7/22/04	EXTRACTION DATE:	7/26/04
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	152374
SAMPLE LOCATION:	KB-28

5000 X Dilution	**RESULTS (µg/Kg)**	**DETECTION LIMIT (µg/Kg)**
Arochlor 1221	ND	250000
Arochlor 1232	ND	250000
Arochlor 1016/1242	ND	250000
Arochlor 1248	ND	250000
Arochlor 1254	**1390000**	250000
Arochlor 1260	ND	250000
Arochlor 1262	ND	250000
Arochlor 1268	ND	250000
Recovery: (30-150%)		
TCMX Signal 1	d	
DCBP Signal 1	d	
TCMX Signal 2	d	
DCBP Signal 2	d	

d = surrogate diluted out

ND = NOT DETECTED CALCULATIONS BASED ON DRY WEIGHT

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**Knoll Environmental**	PROJECT ID:	2 Kansas St
SAMPLE TYPE:	SOIL	REPORT DATE:	07/28/04
COLLECTION DATE:	07/21/04	ANALYZED BY:	CL
REC'D BY LAB:	07/22/04	ANALYSIS DATE:	07/26/04
COLLECTED BY:	CLIENT	EXTRACTION DATE:	N/A

PCB SOLID MCP QC SHEET

BLANK = ND MDL = 50 µg/Kg

	BLANK	MDL	LCS	MS	MSD	% Rec. Limits
Arochlor 1221	ND	50 ug/kg	N/A	N/A	N/A	40-140
Arochlor 1232	ND	50 ug/kg	N/A	N/A	N/A	40-140
Arochlor 1016	ND	50 ug/kg	86	N/A	N/A	40-140
Arochlor 1248	ND	50 ug/kg	N/A	N/A	N/A	40-140
Arochlor 1254	ND	50 ug/kg	N/A	N/A	N/A	40-140
Arochlor 1260	ND	50 ug/kg	84	N/A	N/A	40-140
SURROGATE: (30-150%						
TCMX SIGNAL 1	58%		54%			
DCBP SIGNAL 1	88%		90%			
TCMX SIGNAL 2	56%		50%			
DCBP SIGNAL 2	90%		84%			

GEOLABS, INC.
45 JOHNSON LANE
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M-MA015

LIMITATIONS & EXCLUSIONS

All the professional opinions presented in this report are based solely on the scope of work conducted and sources referred to in our report. The data presented by GeoLabs in this report was collected and analyzed using generally accepted industry methods and practices at the time the report was generated. This report represents the conditions, locations and materials that were observed at the time the work was conducted. No inferences regarding other conditions, locations or materials, at a later or earlier time may be made based on the contents of the report. No other warranty, express or implied is made.

This report was prepared for the sole use of our client. Portions of the report may not be used independent of the entire report.

All analyses were performed within required holding times, in accordance with EPA protocols and using accepted QA/QC procedures. All QA/QC meets acceptable limits unless otherwise noted. The information contained in this report is, to the best of my knowledge, accurate and complete.

Any and all subsequent pages of this report are chain(s) of custody.

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
Fax: (781) 449-1623

Turn Around Time: NORMAL
Due Date:

Project Name:	COC#	Comments:
2 Kansas Street	29	
	PO# 29	
Collected By: SOD		

Sample ID	Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 (PAH's)	VPH (TPH)	EPH (TPH)	RCRA 8 ☐Dissolved ☐Total	8080 (PCB)	Amrec Specs	Bardon Trimount	ESMI Specs	* Asb. by PLM
KB-5	7-21-04	Soil	—	1					152343			X				10%
KB-6			—	1					152344			X				
KB-11			—	1					152345			X				
KB-12			—	1					152346			X				
KB-17			—	1					152347			X				
KB-18			—	1					152348			X				
KB-19			—	1					152349			X				
KB-20			—	1					152350			X				
KB-23	↓	↓	—	1					152351			X				↓

Relinquished By: Monin Date/Time: 7/22/04
Received By: Ken McV/Bain Date/Time: 7.22.04 4pm

Relinquished By: Ken McV/Bain Date/Time: 7.22.04 5pm
Received By: Jon McA Date/Time: 7/22/04 1600

Relinquished By: Date/Time:
Received By: Date/Time:

GW=Ground Water S=Sediments/Soil WW=Waste Water

F/Formats/Misc Office Forms/Chain of Custody

07/29/2004 THU 9:14 FAX 1 781 848 7811 Geo Labs Inc 031/034

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
Fax: (781) 449-1623

Turn Around Time: NORMAL
Due Date:

Project Name: 2 Kansas Str.

COC# 29

PO# 29

Comments:

Collected By: JOD

Sample ID	Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 (PAH's)	VPH (TPH)	EPH (TPH)	RCRA 8 ☐Dissolved ☐Total	8080 (PCB)	Amrep Specs	Barton Trimount	ESMI Specs	Asb. by PLM
KB-24	7-21-04	Soil	—	1			15:2350					X				
KB-25			—	1			15:2353					X				
KB-26			—	1			15:2354					X				
KB-31			—	1			15:2355					X				
KB-32			—	1			15:2356					X				
KB-33			—	1			15:2357					X				
KB-34			—	1			15:2358					X				
KB-35			—	1			15:2359					X				
KB-36			—	1			15:2360					X				

Relinquished By: MK Date/Time: 7-22-04 Relinquished By: Ken McKeown Date/Time: 7-22-04 5 PM Relinquished By: Date/Time:

Received By: Ken McKeown Date/Time: 7-22-04 4 PM Received By: J. McAdam Date/Time: 7/23/04 10:12 Received By: Date/Time:

GW=Ground Water S=Sediments/Soil WW=Waste Water

F/Formats/Misc Office Forms/Chain of Custody

07/29/2004 THU 9:15 FAX 1 781 848 7811 Geo Labs Inc 032/034

07/29/2004 THU 9:15 FAX 1 781 848 7811 Geo Labs Inc 033/034

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
Fax: (781) 449-1623

Turn Around Time: NORMAL
Due Date:

Project Name: 2 Kansas St.

COC# 29

PO# 29

Comments:

Collected By: JOD

Sample ID	Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 (PAH's)	VPH (TPH)	EPH (TPH)	RCRA 8 ☐ Dissolved ☐ Total	8080 (PCB)	Amrec Specs	Barden Trimount	ESMI Specs	Asb. by PLM
KB-39	7-21-04	Soil	—	1					152360			X				
KB-40			—	1					152361			X				
KB-41			—	1					152363			X				
KB-42			—	1					152364			X				
KB-48			—	1					152365			X				
KB-49			—	1					152366			X				
KB-50			—	1					152367			X				
KB-56			—	1					152368			X				
KB-57			—	1					152369			X				

Relinquished By: Date/Time: 7-22-04 Received By: Date/Time:

Relinquished By: Ken McKeon Date/Time: 7.22.04 1PM Received By: Ken McKeon Date/Time: 7.22.04 1PM

Relinquished By: Date/Time:

Received By: Date/Time:

GW=Ground Water S=Sediments/Soil WW=Waste Water

F/Formats/Misc Office Forms/Chain of Custody

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
Fax: (781) 449-1623

Turn Around Time: NORMAL
Due Date:

Project Name: 2 Kansas St.

COC# 29

PO# 29

Comments:

Collected By: JGD

Sample ID	Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 (PAH's)	VPH (TPH)	EPH (TPH)	RCRA 8 ☐Dissolved ☐Total	8080 (PCB)	Amrec Specs	Barden Trimount	ESMI Specs	Asb. by PLM
KB-58	7-21-04	Soil	—	1					15370			X				
KB-59	"	"	—	1					15371			X				
KB-60	"	"	—	1					15372			X				
KB-27	"	"	—	1					15373			X				
KB-28	"	"	—	1					15374			X				

Relinquished By: Mark — Date/Time: 7-22-04
Received By: Ken McKeon — Date/Time: 7:22:04 4pm

Relinquished By: Ken McKeon 7/22/04 — Date/Time:
Received By: Lynn — Date/Time:

Relinquished By: — Date/Time:
Received By: — Date/Time:

GW=Ground Water S=Sediments/Soil WW=Waste Water

GROUND WATER

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number W0930-49

Prepared for:

Attn: Kevin Doherty
Knoll Environmental
69 Wexford Street
Needham, MA 02494

Report Date: October 6, 2011

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.	Project #: 2578
Project Location: 2 Kansas Street	RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
W0930-49

Matrices: x Groundwater/Surface Water Soil/Sediment Drinking Water Air Other:

CAM Protocol (check all that apply below):

8260 VOC CAM II A	7470/7471 Hg CAM III B **x**	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP APH CAM IX A
8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EPH CAM IV B	8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VOC CAM IX B
6010 Metals CAM III A **x**	6020 Metals CAM III D	8082 PCB CAM V A	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	x Yes No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	x Yes No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	x Yes No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	x Yes No
E	VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	Yes No Yes No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	x Yes No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

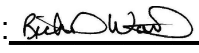
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	x Yes No[1]

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	x Yes No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	x Yes No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:  **Position:** Laboratory Director

Printed Name: Richard Warila **Date**: 10/6/2011

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on September 30, 2011. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is W0930-49.

Custody records are included in this report.

Site: 2 Kansas Street
COC#: 2578

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
Knoll-18	9/30/11	Water	Table II
Knoll-22	9/30/11	Water	Table II
Knoll-32	9/30/11	Water	Table III
Knoll-33	9/30/11	Water	Table III
Knoll-33 MSD	9/30/11	Water	Table III
Knoll-36	9/30/11	Water	Table II

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Dissolved Metals		
Cadmium	3005A	6010C
Lead	3005A	6010C

TABLE III, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Dissolved Metals		
Arsenic	3005A	6010C
Barium	3005A	6010C
Cadmium	3005A	6010C
Chromium	3005A	6010C
Lead	3005A	6010C
Mercury	NA	7470A
Selenium	3005A	6010C
Silver	3005A	6010C

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.

CASE NARRATIVE:

Sample Receipt:

No trip blank was supplied. No field blank was supplied. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits).

The samples were all appropriately cooled and preserved upon receipt.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

Metals:

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

METALS RESULTS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Metals Analysis Department certifies that the results included in this section have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

New England Testing Laboratory, Inc.

METALS RESULTS

Case Number: W0930-49
Sample ID: Knoll-18
Date collected: 09/30/11
Matrix WATER
Sample Type: Dissolved

Analyst JC/DC

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date Analyzed
Cadmium	7440-43-9	3005A	6010C	ND	0.005	0.005	mg/l	10/5/11
Lead	7439-92-1	3005A	6010C	0.544	0.005	0.005	mg/l	10/5/11

METALS RESULTS

Case Number: W0930-49
Sample ID: Knoll-22
Date collected: 09/30/11
Matrix WATER
Sample Type: Dissolved

Analyst JC/DC

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date Analyzed
Cadmium	7440-43-9	3005A	6010C	ND	0.005	0.005	mg/l	10/5/11
Lead	7439-92-1	3005A	6010C	0.061	0.005	0.005	mg/l	10/5/11

METALS RESULTS

Case Number: W0930-49
Sample ID: Knoll-32
Date collected: 09/30/11
Matrix WATER
Sample Type: Dissolved

Analyst JC/DC

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date Analyzed
Arsenic	7440-38-2	3005A	6010C	ND	0.01	0.01	mg/l	10/5/11
Barium	7440-39-3	3005A	6010C	0.084	0.005	0.005	mg/l	10/5/11
Cadmium	7440-43-9	3005A	6010C	ND	0.005	0.005	mg/l	10/5/11
Chromium	7440-47-3	3005A	6010C	0.221	0.005	0.005	mg/l	10/5/11
Lead	7439-92-1	3005A	6010C	0.054	0.005	0.005	mg/l	10/5/11
Mercury	7439-97-6	NA	7470A	ND	0.0002	0.0002	mg/l	10/6/11
Selenium	7782-49-2	3005A	6010C	0.02	0.01	0.01	mg/l	10/5/11
Silver	7440-22-4	3005A	6010C	ND	0.005	0.005	mg/l	10/5/11

METALS RESULTS

Case Number: W0930-49
Sample ID: Knoll-33
Date collected: 09/30/11
Matrix WATER
Sample Type: Dissolved

Analyst JC/DC

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date Analyzed
Arsenic	7440-38-2	3005A	6010C	ND	0.01	0.01	mg/l	10/5/11
Barium	7440-39-3	3005A	6010C	0.102	0.005	0.005	mg/l	10/5/11
Cadmium	7440-43-9	3005A	6010C	ND	0.005	0.005	mg/l	10/5/11
Chromium	7440-47-3	3005A	6010C	ND	0.005	0.005	mg/l	10/5/11
Lead	7439-92-1	3005A	6010C	0.213	0.005	0.005	mg/l	10/5/11
Mercury	7439-97-6	NA	7470A	ND	0.0002	0.0002	mg/l	10/6/11
Selenium	7782-49-2	3005A	6010C	0.02	0.01	0.01	mg/l	10/5/11
Silver	7440-22-4	3005A	6010C	ND	0.005	0.005	mg/l	10/5/11

METALS RESULTS

Case Number: W0930-49
Sample ID: Knoll-33 DUP
Date collected: 09/30/11
Matrix WATER
Sample Type: Dissolved

Analyst JC/DC

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date Analyzed
Arsenic	7440-38-2	3005A	6010C	ND	0.01	0.01	mg/l	10/5/11
Barium	7440-39-3	3005A	6010C	0.098	0.005	0.005	mg/l	10/5/11
Cadmium	7440-43-9	3005A	6010C	ND	0.005	0.005	mg/l	10/5/11
Chromium	7440-47-3	3005A	6010C	ND	0.005	0.005	mg/l	10/5/11
Lead	7439-92-1	3005A	6010C	0.219	0.005	0.005	mg/l	10/5/11
Mercury	7439-97-6	NA	7470A	ND	0.0002	0.0002	mg/l	10/6/11
Selenium	7782-49-2	3005A	6010C	0.02	0.01	0.01	mg/l	10/5/11
Silver	7440-22-4	3005A	6010C	ND	0.005	0.005	mg/l	10/5/11

METALS RESULTS

Case Number: W0930-49
Sample ID: Knoll-33 MS
Date collected: 09/30/11
Matrix WATER
Sample Type: Dissolved

Analyst JC/DC

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date Analyzed
Arsenic	7440-38-2	3005A	6010C	0.17	0.01	0.01	mg/l	10/5/11
Barium	7440-39-3	3005A	6010C	0.956	0.005	0.005	mg/l	10/5/11
Cadmium	7440-43-9	3005A	6010C	0.838	0.005	0.005	mg/l	10/5/11
Chromium	7440-47-3	3005A	6010C	0.890	0.005	0.005	mg/l	10/5/11
Lead	7439-92-1	3005A	6010C	1.10	0.005	0.005	mg/l	10/5/11
Mercury	7439-97-6	NA	7470A	0.0010	0.0002	0.0002	mg/l	10/6/11
Selenium	7782-49-2	3005A	6010C	0.21	0.01	0.01	mg/l	10/5/11
Silver	7440-22-4	3005A	6010C	1.00	0.005	0.005	mg/l	10/5/11

METALS RESULTS

Case Number: W0930-49
Sample ID: Knoll-33 MSD
Date collected: 09/30/11
Matrix WATER **Analyst** JC/DC
Sample Type: Dissolved

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date Analyzed
Arsenic	7440-38-2	3005A	6010C	0.16	0.01	0.01	mg/l	10/5/11
Barium	7440-39-3	3005A	6010C	0.915	0.005	0.005	mg/l	10/5/11
Cadmium	7440-43-9	3005A	6010C	0.798	0.005	0.005	mg/l	10/5/11
Chromium	7440-47-3	3005A	6010C	0.848	0.005	0.005	mg/l	10/5/11
Lead	7439-92-1	3005A	6010C	1.06	0.005	0.005	mg/l	10/5/11
Mercury	7439-97-6	NA	7470A	0.0010	0.0002	0.0002	mg/l	10/6/11
Selenium	7782-49-2	3005A	6010C	0.21	0.01	0.01	mg/l	10/5/11
Silver	7440-22-4	3005A	6010C	0.95	0.005	0.005	mg/l	10/5/11

METALS RESULTS

Case Number: W0930-49
Sample ID: Knoll-36
Date collected: 09/30/11
Matrix WATER **Analyst** JC/DC
Sample Type: Dissolved

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date Analyzed
Cadmium	7440-43-9	3005A	6010C	0.019	0.005	0.005	mg/l	10/5/11
Lead	7439-92-1	3005A	6010C	0.013	0.005	0.005	mg/l	10/5/11

METALS RESULTS

Sample ID: METHOD BLANK

Matrix WATER **Analyst** JC/DC
Sample Type: Dissolved Blank

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date Analyzed
Arsenic	7440-38-2	3005A	6010C	ND	0.01	0.01	mg/l	10/5/11
Barium	7440-39-3	3005A	6010C	ND	0.005	0.005	mg/l	10/5/11
Cadmium	7440-43-9	3005A	6010C	ND	0.005	0.005	mg/l	10/5/11
Chromium	7440-47-3	3005A	6010C	ND	0.005	0.005	mg/l	10/5/11
Lead	7439-92-1	3005A	6010C	ND	0.005	0.005	mg/l	10/5/11
Mercury	7439-97-6	NA	7470A	ND	0.0002	0.0002	mg/l	10/6/11
Selenium	7782-49-2	3005A	6010C	ND	0.01	0.01	mg/l	10/5/11
Silver	7440-22-4	3005A	6010C	ND	0.005	0.005	mg/l	10/5/11

ND indicates Not Detected.

LABORATORY CONTROL SAMPLE RECOVERY

Parameter	True Value	Result	Units	Recovery, %	Internal LCL, %	Internal UCL, %	Date Analyzed
Arsenic	1.00	0.9465	mg/l	94.65	80	106	10/5/11
Barium	1.00	0.9822	mg/l	98.22	80	111	10/5/11
Cadmium	1.00	0.9907	mg/l	99.07	80	109	10/5/11
Chromium	1.00	0.9984	mg/l	99.84	80	110	10/5/11
Lead	1.00	0.9981	mg/l	99.81	80	116	10/5/11
Mercury	0.001	0.00098	mg/l	98.00	84	118	10/6/11
Selenium	1.00	0.9507	mg/l	95.07	80	102	10/5/11
Silver	1.00	1.052	mg/l	105.2	80	119	10/5/11

DUPLICATE RESULTS

Sample: W0930-49 Knoll-33

Parameter	Sample Result	Duplicate Result	Units	RPD, %	LIMITS
Arsenic	0	0	mg/l	**0**	**0 - 20**
Barium	0.102	0.098	mg/l	**3.6**	**0 - 20**
Cadmium	0.004	0.004	mg/l	**2.5**	**0 - 20**
Chromium	0.004	0.004	mg/l	**5.0**	**0 - 20**
Lead	0.213	0.219	mg/l	**2.7**	**0 - 20**
Mercury	0	0	mg/l	**0**	**0 - 20**
Selenium	0.016	0.020	mg/l	**18.8**	**0 - 20**
Silver	0	0	mg/l	**0**	**0 - 20**

Note: An RPD is not calculated unless the sample result is > 5 times the reporting limit.

Comments:

MATRIX SPIKE RESULTS

Sample: W0930-49 Knoll-33

Parameter	Sample Value	MS Fortification	MS Spike Result	Recovery, %	MSD Fortification	MSD Spike Result	Recovery, %	Units	RPD, %	Limit	Recovery Limits
Arsenic	0	0.2	0.17	**84.8**	0.2	0.16	**81.4**	mg/l	4.03	**20**	**75-125**
Barium	0.102	1.0	0.96	**85.5**	1.0	0.91	**81.3**	mg/l	4.98	**20**	**75-125**
Cadmium	0.004	1.0	0.84	**83.4**	1.0	0.80	**79.4**	mg/l	5.00	**20**	**75-125**
Chromium	0.004	1.0	0.89	**88.6**	1.0	0.85	**84.3**	mg/l	4.88	**20**	**75-125**
Lead	0.213	1.0	1.10	**88.4**	1.0	1.06	**84.4**	mg/l	4.63	**20**	**75-125**
Mercury	0	0.001	0.00	**100**	0.001	0.001	**102**	mg/l	1.98	**20**	**75-125**
Selenium	0.016	0.2	0.21	**98.4**	0.2	0.21	**98.3**	mg/l	0.10	**20**	**75-125**
Silver	0	1.0	1.00	**100**	1.0	0.95	**95.0**	mg/l	5.42	**20**	**75-125**

Note: A spike recovery is not reported when the original sample concentration is significantly above the fortification amount.

Comments:

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY W0930-49

69 WEXFORD STREET
NEEDHAM, MA 02494
Phone: (781) 449-1566
Fax: (888) 291-8355

Turn Around Time:
Due Date: 10/6/11

Project Name:	COC#	Comments:
2 Kansas Street	2578	
	PO# 3510	
Collected By: K.D.		

Dissolved Dissolved Dissolved

Sample ID	Collection (Date/Time)	Matrix	Preservative	# of Contrs	8260 (VOC)	5035 high/low	524.2 (VOC)	8270b (PAH's)	8270 (SVOC)	VPH (TPH)	EPH (TPH)	RCRA 8 (Metal)	8080 (PCB)	Pb	Cd		Asb. by PLM
KNOLL-18	9/30/11	H2O	HNO3	1										X	X		
KNOLL-22	"	"	"	1										X	X		
KNOLL-32	"	"	"	1								X					
KNOLL-33	"	"	"	1								X					
KNOLL-36	"	"	"	1										X	X		

Relinquished By:	Date/Time	Relinquished By:	Date/Time	Relinquished By:	Date/Time
Kenneth Daley		Kyle T Dawson	9-30-11 17:30		
Received By:	**Date/Time**	**Received By:**	**Date/Time**	**Received By:**	**Date/Time**
Kyle T Dawson	9-30-11 1:55	Megan Ly	9-30-11 17:30		

Notes: GW=Ground Water S=Sediments/Soil WW=Waste Water

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number W0923-31

Prepared for:

Attn: Kevin Doherty
Knoll Environmental
60 Wexford St.
Needham, MA 02494

Report Date: September 29, 2011

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc. Project #: 2576

Project Location: 2 Kansas Street RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s): W0923-21

Matrices: x Groundwater/Surface Water Soil/Sediment Drinking Water Air Other:

CAM Protocol (check all that apply below):

8260 VOC CAM II A	7470/7471 Hg CAM III B	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP APH CAM IX A
8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EPH CAM IV B **x**	8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VOC CAM IX B
6010 Metals CAM III A **x**	6020 Metals CAM III D	8082 PCB CAM V A X	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	X Yes No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	X Yes No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	X Yes No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	X Yes No
E	VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	X Yes No Yes No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	X Yes No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	X Yes No[1]

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	X Yes No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	X Yes No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ **Position:** Laboratory Director

Printed Name: Richard Warila **Date**: 9/29/2011

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on September 23, 2011. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is W0923-31.

Custody records are included in this report.

Site: 2 Kansas Street
COC#: 2576

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
Knoll-14	9/23/11	Water	Table II
Knoll-16	9/23/11	Water	Table III
Knoll-17	9/23/11	Water	Table II
Knoll-18	9/23/11	Water	Table III
Knoll-23	9/23/11	Water	Table II, IV
Knoll-23 Dup.	9/23/11	Water	Table IV
Knoll-30	9/23/11	Water	Table II
Knoll-36	9/23/11	Water	Table II
Knoll-36 Dup	9/23/11	Water	Table II
Knoll-36 MS	9/23/11	Water	Table II
Knoll-36 MSD	9/23/11	Water	Table II
Knoll-5A	9/23/11	Water	Table II

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Dissolved Metals		
Cadmium	3005A	6010C
Lead	3005A	6010C

TABLE III, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
PCBs	3510C	8082A

TABLE IV, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
EPH	NA	**

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.

**Method for the Determination of Extractable Petroleum Hydrocarbons (EPH), MADEP.

CASE NARRATIVE:

Sample Receipt:

No trip blank was supplied. No field blank was supplied. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits.)

The samples were all appropriately cooled and preserved upon receipt. The samples for dissolved metals were filtered upon receipt to the laboratory.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

EPH:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Metals:

All analyses were performed according to NETLAB's documented Standard Operating Procedures, within all required holding times, and with appropriate quality control measures. All QC was within laboratory established acceptance criteria. The samples were received, processed, and reported with no anomalies.

Lead and Cadmium recoveries for the matrix spike and matrix spike duplicate analyses
were outside of quality control limits due to sample matrix interference.

PCBs:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

RESULTS: EXTRACTABLE PETROLEUM HYDROCARBONS

Results for EPH analysis are presented in the following section. Each page is electronically signed.

APPENDIX 3: REQUIRED EPH DATA REPORTING FORMAT/INFORMATION

SAMPLE INFORMATION

Matrix	X Aqueous Soil Sediment Other:
Containers	_X_ Satisfactory __ Broken __ Leaking:
Aqueous Preservatives	__ N/A _X_ pH≤2 __ pH>2 Comment:
Temperature	X Received on Ice Received at 4 ° C Other:
Extraction Method	Water: Separatory Funnel Soil: N/A

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 04-1.1			Client ID	Knoll-23
Method for Target Analytes:			Lab ID	W0923-31
EPH Surrogate Standards			Date Collected	9/23/11
Aliphatic: Chlorooctadecane			Date Received	9/23/11
Aromatic: o-Terphenyl			Date Extracted	9/27/11
EPH Fractionation Surrogates			Date Analyzed	9/28/11, 9/29/11
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	N/A
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		150	ug/L	168
Diesel PAH Analytes	Naphthalene	1.0	ug/L	<1.0
	2-Methylnaphthalene	1.0	ug/L	<1.0
	Phenanthrene	1.0	ug/L	<1.0
	Acenaphthylene	1.0	ug/L	<1.0
Other Target PAH Analytes	Acenaphthene	5.0	ug/L	<5.0
	Fluorene	5.0	ug/L	<5.0
	Anthracene	5.0	ug/L	<5.0
	Fluoranthene	5.0	ug/L	<5.0
	Pyrene	5.0	ug/L	<5.0
	Benzo(a)anthracene	1.0	ug/L	<1.0
	Chrysene	2.0	ug/L	<2.0
	Benzo(b)fluoranthene	1.0	ug/L	<1.0
	Benzo(k)fluoranthene	1.0	ug/L	<1.0
	Benzo(a)pyrene	0.2	ug/L	<0.2
	Indeno(1,2,3-cd)pyrene	0.5	ug/L	<0.5
	Dibenzo(a,h)anthracene	0.5	ug/L	<0.5
	Benzo(g,h,i)perylene	5.0	ug/L	<5.0
C9-C18 Aliphatic Hydrocarbons[1]		200	ug/L	<200
C19-C36 Aliphatic Hydrocarbons[1]		200	ug/L	774
C11-C22 Aromatic Hydrocarbons[1,2]		150	ug/L	168
Aliphatic Surrogate % Recovery				61
Aromatic Surrogate % Recovery				49
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				79
Fractionation Surrogate % Recovery				59
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes __ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached
Were any significant modifications made to the EPH method, as specified in Section 11.3? X No __ Yes-Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 9/29/2011

APPENDIX 3: REQUIRED EPH DATA REPORTING FORMAT/INFORMATION

SAMPLE INFORMATION

Matrix	X Aqueous Soil Sediment Other:
Containers	_X_ Satisfactory __ Broken __ Leaking:
Aqueous Preservatives	__ N/A _X_ pH≤2 __ pH>2 Comment:
Temperature	X Received on Ice Received at 4 ° C Other:
Extraction Method	Water: Separatory Funnel Soil: N/A

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 04-1.1			Client ID	Knoll-23 Dup.
Method for Target Analytes:			Lab ID	W0923-31
EPH Surrogate Standards			Date Collected	9/23/11
Aliphatic: Chlorooctadecane			Date Received	9/23/11
Aromatic: o-Terphenyl			Date Extracted	9/27/11
EPH Fractionation Surrogates			Date Analyzed	9/28/11, 9/29/11
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	N/A
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		150	ug/L	183
Diesel PAH Analytes	Naphthalene	1.0	ug/L	<1.0
	2-Methylnaphthalene	1.0	ug/L	<1.0
	Phenanthrene	1.0	ug/L	<1.0
	Acenaphthylene	1.0	ug/L	<1.0
Other Target PAH Analytes	Acenaphthene	5.0	ug/L	<5.0
	Fluorene	5.0	ug/L	<5.0
	Anthracene	5.0	ug/L	<5.0
	Fluoranthene	5.0	ug/L	<5.0
	Pyrene	5.0	ug/L	<5.0
	Benzo(a)anthracene	1.0	ug/L	<1.0
	Chrysene	2.0	ug/L	<2.0
	Benzo(b)fluoranthene	1.0	ug/L	<1.0
	Benzo(k)fluoranthene	1.0	ug/L	<1.0
	Benzo(a)pyrene	0.2	ug/L	<0.2
	Indeno(1,2,3-cd)pyrene	0.5	ug/L	<0.5
	Dibenzo(a,h)anthracene	0.5	ug/L	<0.5
	Benzo(g,h,i)perylene	5.0	ug/L	<5.0
C9-C18 Aliphatic Hydrocarbons[1]		200	ug/L	<200
C19-C36 Aliphatic Hydrocarbons[1]		200	ug/L	782
C11-C22 Aromatic Hydrocarbons[1,2]		150	ug/L	183
Aliphatic Surrogate % Recovery				76
Aromatic Surrogate % Recovery				49
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				80
Fractionation Surrogate % Recovery				60
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes __ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached
Were any significant modifications made to the EPH method, as specified in Section 11.3? X No __ Yes-Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 9/29/2011

APPENDIX 3: REQUIRED EPH DATA REPORTING FORMAT/INFORMATION

SAMPLE INFORMATION

Matrix	X Aqueous Soil Sediment Other:
Containers	__ Satisfactory __ Broken __ Leaking:
Aqueous Preservatives	__ N/A __ pH<2 __ pH>2 Comment:
Temperature	Received on Ice Received at 4 ° C Other:
Extraction Method	Water: Separatory Funnel Soil: N/A

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 04-1.1			Client ID	Method Blank
Method for Target Analytes:			Lab ID	W0923-31
EPH Surrogate Standards			Date Collected	NA
Aliphatic: Chlorooctadecane			Date Received	NA
Aromatic: o-Terphenyl			Date Extracted	9/27/11
EPH Fractionation Surrogates			Date Analyzed	9/28/11, 9/29/11
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	N/A
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		150	ug/L	<150
Diesel PAH Analytes	Naphthalene	1.0	ug/L	<1.0
	2-Methylnaphthalene	1.0	ug/L	<1.0
	Phenanthrene	1.0	ug/L	<1.0
	Acenaphthylene	1.0	ug/L	<1.0
Other Target PAH Analytes	Acenaphthene	5.0	ug/L	<5.0
	Fluorene	5.0	ug/L	<5.0
	Anthracene	5.0	ug/L	<5.0
	Fluoranthene	5.0	ug/L	<5.0
	Pyrene	5.0	ug/L	<5.0
	Benzo(a)anthracene	1.0	ug/L	<1.0
	Chrysene	2.0	ug/L	<2.0
	Benzo(b)fluoranthene	1.0	ug/L	<1.0
	Benzo(k)fluoranthene	1.0	ug/L	<1.0
	Benzo(a)pyrene	0.2	ug/L	<0.2
	Indeno(1,2,3-cd)pyrene	0.5	ug/L	<0.5
	Dibenzo(a,h)anthracene	0.5	ug/L	<0.5
	Benzo(g,h,i)perylene	5.0	ug/L	<5.0
C9-C18 Aliphatic Hydrocarbons[1]		200	ug/L	<200
C19-C36 Aliphatic Hydrocarbons[1]		200	ug/L	<200
C11-C22 Aromatic Hydrocarbons[1,2]		150	ug/L	<150
Aliphatic Surrogate % Recovery				75
Aromatic Surrogate % Recovery				79
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				80
Fractionation Surrogate % Recovery				52
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes __ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached
Were any significant modifications made to the EPH method, as specified in Section 11.3? X No __ Yes-Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 9/29/2011

Spike Recovery and RPD Summary Report - WATER

Method : C:\HPCHEM\1\METHODS\EPHALI1.M (Chemstation Integrator)
Title :
Last Update : Thu Sep 15 12:19:48 2011
Response via : Initial Calibration

Non-Spiked Sample: J092804.D

	Spike Sample	Spike Duplicate Sample
File ID :	J092807.D	J092808.D
Sample :	LEW 9-27 HX	LEWD 9-27 HX
Acq Time:	28 Sep 2011 4:44 pm	28 Sep 2011 5:14 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Nonane	0.0	40	13	15	34	37	9	25	30-140
Decane	0.0	40	16	18	40	46	13	25	40-140
Dodecane	0.0	40	21	27	53	68	25	25	40-140
Tetradecane	0.0	40	23	28	58	69	18	25	40-140
Hexadecane	0.0	40	30	33	76	82	8	25	40-140
Octadecane	0.0	40	35	37	87	92	6	25	40-140
Nonadecane	0.0	40	34	36	86	89	4	25	40-140
Eicosane	0.0	40	37	39	94	98	4	25	40-140
Docosane	0.0	40	37	38	93	95	2	25	40-140
Tetracosane	0.0	40	37	38	92	94	2	25	40-140
Hexacosane	0.0	40	37	37	91	92	1	25	40-140
Octacosane	0.0	40	37	37	91	92	1	25	40-140
Triacontane	0.0	40	36	36	90	91	1	25	40-140
Hexatriacontane	0.0	40	32	33	81	82	1	25	40-140

- Fails Limit Check

EPHALI1.M Thu Sep 29 07:28:09 2011

Spike Recovery and RPD Summary Report - WATER

Method : C:\HPCHEM\2\METHODS\ARO.M (Chemstation Integrator)
Title :
Last Update : Thu Sep 15 15:07:04 2011
Response via : Initial Calibration

Non-Spiked Sample: F092813.D

	Spike Sample	Spike Duplicate Sample
File ID :	F092814.D	F092815.D
Sample :	LEW 9-27 ME	LEWD 9-27 ME
Acq Time:	29 Sep 2011 8:49 am	29 Sep 2011 9:36 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Naphthalene	0.0	40	21	23	52	57	9	25	40-140
2 methyl naphthalene	0.0	40	21	23	52	57	10	25	40-140
acenaphthylene	0.0	40	25	27	64	68	7	25	40-140
Acenaphthene	0.0	40	25	27	62	67	8	25	40-140
fluorene	0.0	40	28	30	71	75	6	25	40-140
phenanthrene	0.0	40	33	32	82	79	3	25	40-140
Anthracene	0.0	40	32	31	81	77	5	25	40-140
Fluoranthene	0.0	40	35	31	87	79	10	25	40-140
Pyrene	0.0	40	35	31	87	79	10	25	40-140
Benzo(a)anthracene	0.0	40	34	31	86	78	10	25	40-140
Chrysene	0.0	40	34	31	86	77	11	25	40-140
Benzo(b)fluoranthene	0.0	40	35	31	87	78	12	25	40-140
Benzo(k)fluoranthene	0.0	40	32	29	80	72	10	25	40-140
Benzo(a)pyrene	0.0	40	34	31	84	76	10	25	40-140
Indeno(123cd)pyrene	0.0	40	26	30	66	76	14	25	40-140
Dibenzo(ah)anthracen	0.0	40	36	29	91	71	24	25	40-140
Benzo(ghi)perylene	0.0	40	32	29	81	72	11	25	40-140

- Fails Limit Check

ARO.M Thu Sep 29 11:35:25 2011

METALS RESULTS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Metals Analysis Department certifies that the results included in this section have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

New England Testing Laboratory, Inc.

METALS RESULTS

Case Number: W0923-31
Sample ID: Knoll 14
Date collected: 09/23/11
Matrix WATER **Analyst** JC/DC
Sample Type: Dissolved

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date Analyzed
Cadmium	7440-43-9	3005A	6010C	0.015	0.005	0.005	mg/l	9/27/11
Lead	7439-92-1	3005A	6010C	17.7	0.005	0.005	mg/l	9/27/11

METALS RESULTS

Case Number: W0923-31
Sample ID: Knoll 17
Date collected: 09/23/11
Matrix WATER **Analyst** JC/DC
Sample Type: Dissolved

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date Analyzed
Cadmium	7440-43-9	3005A	6010C	0.014	0.005	0.005	mg/l	9/27/11
Lead	7439-92-1	3005A	6010C	2.16	0.005	0.005	mg/l	9/27/11

METALS RESULTS

Case Number: W0923-31
Sample ID: Knoll 23
Date collected: 09/23/11
Matrix WATER **Analyst** JC/DC
Sample Type: Dissolved

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date Analyzed
Cadmium	7440-43-9	3005A	6010C	ND	0.005	0.005	mg/l	9/27/11
Lead	7439-92-1	3005A	6010C	0.174	0.005	0.005	mg/l	9/27/11

METALS RESULTS

Case Number: W0923-31
Sample ID: Knoll 30
Date collected: 09/23/11
Matrix WATER
Sample Type: Dissolved

Analyst JC/DC

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date Analyzed
Cadmium	7440-43-9	3005A	6010C	0.034	0.005	0.005	mg/l	9/27/11
Lead	7439-92-1	3005A	6010C	1.31	0.005	0.005	mg/l	9/27/11

ND indicates Not Detected.

METALS RESULTS

Case Number: W0923-31
Sample ID: Knoll 36
Date collected: 09/23/11
Matrix WATER **Analyst** JC/DC
Sample Type: Dissolved

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date Analyzed
Cadmium	7440-43-9	3005A	6010C	0.042	0.005	0.005	mg/l	9/27/11
Lead	7439-92-1	3005A	6010C	13.9	0.005	0.005	mg/l	9/27/11

METALS RESULTS

Case Number: W0923-31
Sample ID: Knoll 36 DUP
Date collected: 09/23/11
Matrix WATER **Analyst** JC/DC
Sample Type: Dissolved

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date Analyzed
Cadmium	7440-43-9	3005A	6010C	0.042	0.005	0.005	mg/l	9/27/11
Lead	7439-92-1	3005A	6010C	13.8	0.005	0.005	mg/l	9/27/11

METALS RESULTS

Case Number: W0923-31
Sample ID: Knoll-5A
Date collected: 09/23/11
Matrix WATER **Analyst** JC/DC
Sample Type: Dissolved

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date Analyzed
Cadmium	7440-43-9	3005A	6010C	ND	0.005	0.005	mg/l	9/27/11
Lead	7439-92-1	3005A	6010C	0.061	0.005	0.005	mg/l	9/27/11

METALS RESULTS

Sample ID: METHOD BLANK

Matrix WATER **Analyst** JC/DC
Sample Type: Dissolved Blank

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date Analyzed
Cadmium	7440-43-9	3005A	6010C	ND	0.005	0.005	mg/l	9/27/11
Lead	7439-92-1	3005A	6010C	ND	0.005	0.005	mg/l	9/27/11

ND indicates Not Detected.

LABORATORY CONTROL SAMPLE RECOVERY

Parameter	True Value	Result	Units	Recovery, %	Internal LCL, %	Internal UCL, %	Date Analyzed
Cadmium	1.00	1.02	mg/l	102	80	109	9/27/11
Lead	1.00	1.09	mg/l	109	80	116	9/27/11

MATRIX SPIKE RESULTS

Sample: W0923-31 Knoll-36

Parameter	Sample Value	MS Fortification	MS Spike Result	Recovery, %	MSD Fortification	MSD Spike Result	Recovery, %	Units	RPD, %	Limit	Spike Limits
Cadmium	0.042	1.00	0.923	**88.1**	1.00	1.28	**123.8**	mg/l	**33.7**	**20**	70-130
Lead	13.9	1.00	14.0	**10.0**	1.00	14.0	**10.0**	mg/l	**0.00**	**20**	70-130

Note: A spike recovery is not reported when the original sample concentration is significantly above the fortification amount.

Comments: RPD for cadmium is above recommended limits.

RESULTS: PCBs

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

Sample: Knoll-16		Analyst's Initials: NS
Case No. W0923-31		
Date Collected: 9/23/11		
Sample Matrix: Water		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3510C	9/28/11	9/28/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/l (ppb)	Reporting Limit
Aroclor-1016	N.D.	0.2
Aroclor-1221	N.D.	0.2
Aroclor-1232	N.D.	0.2
Aroclor-1242	N.D.	0.2
Aroclor-1248	N.D.	0.2
Aroclor-1254	N.D.	0.2
Aroclor-1260	N.D.	0.2
Aroclor-1262	N.D.	0.2
Aroclor-1268	N.D.	0.2
Surrogates:		
Compound	% Recovery	Limits
TCMX	81	42-126
DCBP	51	41-142

Sample: Knoll-18		Analyst's Initials: NS
Case No. W0923-31		
Date Collected: 9/23/11		
Sample Matrix: Water		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3510C	9/28/11	9/29/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/l (ppb)	Reporting Limit
Aroclor-1016	N.D.	0.2
Aroclor-1221	N.D.	0.2
Aroclor-1232	N.D.	0.2
Aroclor-1242	N.D.	0.2
Aroclor-1248	N.D.	0.2
Aroclor-1254	1.42	0.2
Aroclor-1260	N.D.	0.2
Aroclor-1262	N.D.	0.2
Aroclor-1268	N.D.	0.2
Surrogates:		
Compound	% Recovery	Limits
TCMX	47	42-126
DCBP	43	41-142

Sample: Method Blank		Analyst's Initials: NS
Case No. W0923-31		
Date Collected: NA		
Sample Matrix: Water		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3510C	9/28/11	9/28/11
Analytical Method: EPA 8082A		
Compound	Concentration ug/l (ppb)	Reporting Limit
Aroclor-1016	N.D.	0.2
Aroclor-1221	N.D.	0.2
Aroclor-1232	N.D.	0.2
Aroclor-1242	N.D.	0.2
Aroclor-1248	N.D.	0.2
Aroclor-1254	N.D.	0.2
Aroclor-1260	N.D.	0.2
Aroclor-1262	N.D.	0.2
Aroclor-1268	N.D.	0.2
Surrogates:		
Compound	% Recovery	Limits
TCMX	47	42-126
DCBP	49	41-142

PCB Laboratory Control Spike

Sample Matrix: Water				
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3510C	9/28/11			9/28/11
Analytical Method: EPA 8082A				
Compound	Amount Spiked mg/kg	Result mg/kg	Recovery %	Recovery Limits
Aroclor 1016	0.500	0.397	80	42-126
Aroclor 1260	0.500	0.287	57	41-142
Surrogates:				
Compound	% Recovery	Limits		
TCMX	54	39-120		
DCBP	51	34-140		

W0923-31

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone: (781) 449-1566
Fax: (888) 291-8355

Turn Around Time:
Due Date: 9.29.11

Project Name: 2 Kansas street

COC# 2576

PO# 3508

Comments:

Collected By: K.D.

Sample ID	Collection (Date/Time)	Matrix	Preservative	# of Contrs	8260 (VOC)	5035 high/low	524.2 (VOC)	8270b (PAH's)	8270 (SVOC)	VPH (TPH)	EPH (TPH)	RCRA 8 (Metal)	8080 (PCB)	Pb- Dissolved	Cd- Dissolved		Asb. by PLM
KNOLL-14	9.23.11	H_2O	HNO_3	1										X	X		
KNOLL-16	"	"	HCl	1									X				
KNOLL-17	"	"	HNO_3	1										X	X		
KNOLL-18	"	"	~~HCl~~	1									X				
KNOLL-23	"	"	HCl/HNO_3	2							X			X	X		
KNOLL-30	"	"	HNO_3	1										X	X		
KNOLL-36+DUP	"	"	HNO_3	2										X	X		
MW-5A	"	"	HNO_3	1										X	X		

Relinquished By: Date/Time
9/23/11

Relinquished By: Date/Time

Relinquished By: Date/Time

Relinquished By: Date/Time

Received By: Date/Time
9/23/11

Received By: Date/Time

Received By: Date/Time

Received By: Date/Time

Notes: GW=Ground Water S=Sediments/Soil WW=Waste Water

g:\knoll\formats\COC.XLS

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number V1230-25

Prepared for:

Attn: Kevin Doherty
Knoll Environmental
60 Wexford St.
Needham, MA 02494

Report Date: January 6, 2011

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc. Project #: 2561

Project Location: Kansas Street RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
V1230-25

Matrices: x Groundwater/Surface Water Soil/Sediment Drinking Water Air Other:

CAM Protocol (check all that apply below):

8260 VOC CAM II A	7470/7471 Hg CAM III B	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP APH CAM IX A
8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EPH CAM IV B	8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VOC CAM IX B
6010 Metals CAM III A **x**	6020 Metals CAM III D	8082 PCB CAM V A	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	X Yes No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	X Yes No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	X Yes No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	X Yes No
E	VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	Yes No Yes No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	X Yes No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	X Yes No[1]

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	X Yes No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	X Yes No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ **Position:** Laboratory Director

Printed Name: Richard Warila **Date:** 1/6/2011

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on December 30, 2010. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is V1230-25.

Custody records are included in this report.

Site: 2 Kansas Street
COC#: 2561

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
Knoll-16	12/28/10	Aqueous	Table II
Knoll-35	12/28/10	Aqueous	Table II
Knoll-35MS	12/28/10	Aqueous	Table II
Knoll-35MSD	12/28/10	Aqueous	Table II

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Dissolved Metals		
Arsenic	3005A	6010B
Barium	3005A	6010B
Cadmium	3005A	6010B
Chromium	3005A	6010B
Lead	3005A	6010B
Mercury	NA	7470A
Selenium	3005A	6010B
Silver	3005A	6010B

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.

CASE NARRATIVE:

Sample Receipt:

No trip blank was supplied. No field blank was supplied. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits.)

The samples were all appropriately cooled and preserved upon receipt. The samples for dissolved metals were filtered upon receipt to the laboratory.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

Metals:

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

METALS RESULTS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Metals Analysis Department certifies that the results included in this section have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

New England Testing Laboratory, Inc.

METALS RESULTS

Case Number: V1230-25
Sample ID: Knoll-16
Date collected: 12/28/10
Matrix WATER
Sample Type: Dissolved

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date Analyzed
Arsenic	7440-38-2	3005A	6010B	0.04	0.01	0.01	mg/l	1/3/11
Barium	7440-39-3	3005A	6010B	0.055	0.005	0.005	mg/l	1/3/11
Cadmium	7440-43-9	3005A	6010B	ND	0.005	0.005	mg/l	1/3/11
Chromium	7440-47-3	3005A	6010B	0.005	0.005	0.005	mg/l	1/3/11
Lead	7439-92-1	3005A	6010B	0.217	0.005	0.005	mg/l	1/3/11
Mercury	7439-97-6	NA	7470A	0.0003	0.0002	0.0002	mg/l	1/4/11
Selenium	7782-49-2	3005A	6010B	ND	0.01	0.01	mg/l	1/3/11
Silver	7440-22-4	3005A	6010B	ND	0.005	0.005	mg/l	1/3/11

ND indicates not Detected

METALS RESULTS

Case Number: V1230-25
Sample ID: Knoll-35
Date collected: 12/28/10
Matrix WATER
Sample Type: Dissolved

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date Analyzed
Arsenic	7440-38-2	3005A	6010B	ND	0.01	0.01	mg/l	1/3/11
Barium	7440-39-3	3005A	6010B	0.285	0.005	0.005	mg/l	1/3/11
Cadmium	7440-43-9	3005A	6010B	0.005	0.005	0.005	mg/l	1/3/11
Chromium	7440-47-3	3005A	6010B	ND	0.005	0.005	mg/l	1/3/11
Lead	7439-92-1	3005A	6010B	0.137	0.005	0.005	mg/l	1/3/11
Mercury	7439-97-6	NA	7470A	ND	0.0002	0.0002	mg/l	1/4/11
Selenium	7782-49-2	3005A	6010B	ND	0.01	0.01	mg/l	1/3/11
Silver	7440-22-4	3005A	6010B	ND	0.005	0.005	mg/l	1/3/11

ND indicates not Detected

METALS RESULTS

Case Number: V1230-25
Sample ID: Knoll-35 MS
Date collected: 12/28/10
Matrix WATER
Sample Type: Dissolved

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date Analyzed
Arsenic	7440-38-2	3005A	6010B	0.25	0.01	0.01	mg/l	1/3/11
Barium	7440-39-3	3005A	6010B	1.31	0.005	0.005	mg/l	1/3/11
Cadmium	7440-43-9	3005A	6010B	1.14	0.005	0.005	mg/l	1/3/11
Chromium	7440-47-3	3005A	6010B	0.972	0.005	0.005	mg/l	1/3/11
Lead	7439-92-1	3005A	6010B	1.10	0.005	0.005	mg/l	1/3/11
Mercury	7439-97-6	NA	7470A	0.0011	0.0002	0.0002	mg/l	1/4/11
Selenium	7782-49-2	3005A	6010B	0.20	0.01	0.01	mg/l	1/3/11
Silver	7440-22-4	3005A	6010B	0.384	0.005	0.005	mg/l	1/3/11

ND indicates not Detected

METALS RESULTS

Case Number: V1230-25
Sample ID: Knoll-35 MSD
Date collected: 12/28/10
Matrix WATER
Sample Type: Dissolved

Analyst KG/MM

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date Analyzed
Arsenic	7440-38-2	3005A	6010B	0.22	0.01	0.01	mg/l	1/3/11
Barium	7440-39-3	3005A	6010B	1.28	0.005	0.005	mg/l	1/3/11
Cadmium	7440-43-9	3005A	6010B	1.10	0.005	0.005	mg/l	1/3/11
Chromium	7440-47-3	3005A	6010B	0.948	0.005	0.005	mg/l	1/3/11
Lead	7439-92-1	3005A	6010B	1.09	0.005	0.005	mg/l	1/3/11
Mercury	7439-97-6	NA	7470A	0.0012	0.0002	0.0002	mg/l	1/4/11
Selenium	7782-49-2	3005A	6010B	0.20	0.01	0.01	mg/l	1/3/11
Silver	7440-22-4	3005A	6010B	0.363	0.005	0.005	mg/l	1/3/11

ND indicates not Detected

METALS RESULTS

Sample ID: METHOD BLANK

Matrix WATER **Analyst** KG/MM

Sample Type: Dissolved Blank

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date Analyzed
Arsenic	7440-38-2	3005A	6010B	ND	0.01	0.01	mg/l	1/3/11
Barium	7440-39-3	3005A	6010B	ND	0.005	0.005	mg/l	1/3/11
Cadmium	7440-43-9	3005A	6010B	ND	0.005	0.005	mg/l	1/3/11
Chromium	7440-47-3	3005A	6010B	ND	0.005	0.005	mg/l	1/3/11
Lead	7439-92-1	3005A	6010B	ND	0.005	0.005	mg/l	1/3/11
Mercury	7439-97-6	NA	7470A	ND	0.0002	0.0002	mg/l	1/4/11
Selenium	7782-49-2	3005A	6010B	ND	0.01	0.01	mg/l	1/3/11
Silver	7440-22-4	3005A	6010B	ND	0.005	0.005	mg/l	1/3/11

ND indicates not Detected

LABORATORY CONTROL SAMPLE RECOVERY

Parameter	True Value	Result	Units	Recovery, %	Internal LCL, %	Internal UCL, %	Date Analyzed
Arsenic	1.00	1.02	mg/l	102	80	106	1/3/11
Barium	1.00	0.98	mg/l	98	80	111	1/3/11
Cadmium	1.00	0.95	mg/l	95	80	109	1/3/11
Chromium	1.00	0.97	mg/l	97	80	110	1/3/11
Lead	1.00	0.88	mg/l	88	80	116	1/3/11
Mercury	0.001	0.001	mg/l	100	80	118	1/4/11
Selenium	1.00	0.83	mg/l	83	80	102	1/3/11
Silver	1.00	0.82	mg/l	82	80	119	1/3/11

MATRIX SPIKE RESULTS

Sample: V1230-25 Knoll-35

Parameter	Sample Value	MS Fortification	MS Spike Result	Recovery, %	MSD Fortification	MSD Spike Result	Recovery, %	Units	RPD, %	Limit	Recovery Limits
Arsenic	0	0.20	0.25	**125.0**	0.20	0.22	**110.0**	mg/l	**12.77**	**20**	**80-125**
Barium	0.285	1.00	1.31	**102.5**	1.00	1.28	**99.5**	mg/l	**2.97**	**20**	**80-125**
Cadmium	0.005	1.00	1.14	**114**	1.00	1.10	**109.5**	mg/l	**3.59**	**20**	**80-125**
Chromium	0	1.00	0.972	**97.2**	1.00	0.948	**94.8**	mg/l	**2.50**	**20**	**80-125**
Lead	0.137	1.00	1.10	**96.3**	1.00	1.09	**95.3**	mg/l	**1.04**	**20**	**80-125**
Mercury	0	0.001	0.0011	**110.0**	0.001	0.0012	**120.0**	mg/l	**8.70**	**20**	**80-125**
Selenium	0	0.20	0.20	**100.0**	0.20	0.20	**100.0**	mg/l	**0.00**	**20**	**80-125**
Silver	0	0.40	0.384	**96.0**	0.40	0.363	**90.8**	mg/l	**5.62**	**20**	**80-125**

Comments:

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

V1230-25

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone: (781) 449-1566
Fax: (888) 291-8355

Turn Around Time: Usual

Due Date: 4 weeks

Project Name: KANSAS ST

COC# 2561

PO# 3493

Comments: Dissolved

Collected By: K.D.

Sample ID	Collection (Date/Time)	Matrix	Preservative	# of Contrs	8260 (VOC)	5035 high/low	524.2 (VOC)	8270b (PAH's)	8270 (SVOC)	VPH (TPH)	EPH (TPH)	RCRA 8 (Metal)	8080 (PCB)				Asb. by PLM
KNOLL-16	12-28-10	H_2O	HNO_3	1								X					
KNOLL-35	"	"	"	1								X					
KNOLL-35 MS/MSD	"	"	"	1								X					

Relinquished By: Date/Time: 12/29/10

Relinquished By: Date/Time: 12-30-10

Relinquished By: Date/Time:

Received By: Date/Time: 12-30-10 4:14

Received By: Date/Time: 12/30/10 4:14

Received By: Date/Time:

Notes: GW=Ground Water S=Sediments/Soil WW=Waste Water

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number V1222-15

Prepared for:

Attn: Kevin Doherty
Knoll Environmental
60 Wexford St.
Needham, MA 02494

Report Date: December 30, 2010

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc	Project #: 2560
Project Location: Kansas Street	RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
V1222-15

Matrices: x Groundwater/Surface Water Soil/Sediment Drinking Water Air Other:

CAM Protocol (check all that apply below):

8260 VOC CAM II A **x**	7470/7471 Hg CAM III B	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP APH CAM IX A
8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EPH CAM IV B	8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VOC CAM IX B
6010 Metals CAM III A	6020 Metals CAM III D	8082 PCB CAM V A	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	X Yes No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	X Yes No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	X Yes No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	X Yes No
E	VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	Yes No Yes No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	X Yes No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	X Yes No[1]

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	X Yes No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	X Yes No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:  **Position:** Laboratory Director

Printed Name: Richard Warila **Date:** 12/29/2010

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on December 22, 2010 and additional analysis was requested November 2, 2010. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is V1222-15.

Custody records are included in this report.

Site: 2 Kansas Street
COC#: 2560

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
Knoll-10 25'	12/20/10	Water	Table II
Knoll-10 25' Dup	12/20/10	Water	Table II
Knoll-10 45'	12/20/10	Water	Table II

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Volatile Organic Compounds	5030	8260B

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.

CASE NARRATIVE:

Sample Receipt:

No trip blank was supplied. No field blank was supplied. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits.)

The samples were all appropriately cooled and preserved upon receipt. The samples for dissolved metals were filtered upon receipt to the laboratory.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

Volatile Organic Compounds:

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

A sample duplicate was performed on "Knoll-10 25'" however, due to limited sample volume provided, the duplicate analysis required a dilution from a container which had already been used. As a result, the duplicate analysis had elevated detection limits and exhibited a lower concentration for Tetrachloroethene.

RESULTS: VOLATILE ORGANIC COMPOUNDS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V1222-15
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: Knoll-10 25'
Lab File ID: C122808, C122821
Date Sampled: 12/20/2010
Date Analyzed: 12/28/2010
Dilution Factor: 1.0, 10
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-64-1	Acetone	5.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
1634-04-4	tert-Butyl methyl ether	1.0	U
156-60-5	trans-1,2 Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
594-20-7	2,2-Dichloropropane	1.0	U
156-59-2	cis-1,2-Dichloroethene	33	
67-66-3	Chloroform	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	330	
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
106-93-4	Ethylene Dibromide	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-88-3	Toluene	1.0	U
10061-02-6	Trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethene	7.2	
124-48-1	Chlorodibromomethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V1222-15
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: Knoll-10 25'
Lab File ID: C122808, C122821
Date Sampled: 12/20/2010
Date Analyzed: 12/28/2010
Dilution Factor: 1.0, 10
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-86-1	Bromobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
75-87-3	Chloromethane	1.0	U
75-65-0	tert butyl alcohol	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
109-99-9	Tetrahydrofuran	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
60-29-7	Diethyl Ether	1.0	U
104-51-8	n-Butylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V1222-15
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: Knoll-10 25' Dup
Lab File ID: C122938.D
Date Sampled: 12/20/2010
Date Analyzed: 12/29/2010
Dilution Factor: 4.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
75-01-4	Vinyl Chloride	4.0	U
74-83-9	Bromomethane	4.0	U
75-00-3	Chloroethane	4.0	U
67-64-1	Acetone	20	U
75-35-4	1,1-Dichloroethene	4.0	U
75-15-0	Carbon Disulfide	4.0	U
75-09-2	Methylene Chloride	4.0	U
1634-04-4	tert-Butyl methyl ether	4.0	U
156-60-5	trans-1,2 Dichloroethene	4.0	U
75-34-3	1,1-Dichloroethane	4.0	U
78-93-3	2-Butanone	20	U
594-20-7	2,2-Dichloropropane	4.0	U
156-59-2	cis-1,2-Dichloroethene	31	
67-66-3	Chloroform	4.0	U
74-97-5	Bromochloromethane	4.0	U
71-55-6	1,1,1-Trichloroethane	4.0	U
563-58-6	1,1-Dichloropropene	4.0	U
56-23-5	Carbon Tetrachloride	4.0	U
71-43-2	Benzene	4.0	U
107-06-2	1,2-Dichloroethane	4.0	U
79-01-6	Trichloroethene	330	
78-87-5	1,2-Dichloropropane	4.0	U
75-27-4	Bromodichloromethane	4.0	U
74-95-3	Dibromomethane	4.0	U
108-10-1	4-Methyl-2-pentanone	20	U
106-93-4	Ethylene Dibromide	4.0	U
10061-01-5	cis-1,3-Dichloropropene	4.0	U
108-88-3	Toluene	4.0	U
10061-02-6	Trans-1,3-Dichloropropene	4.0	U
79-00-5	1,1,2-Trichloroethane	4.0	U
591-78-6	2-Hexanone	20	U
127-18-4	Tetrachloroethene	4.6	
124-48-1	Chlorodibromomethane	4.0	U
108-90-7	Chlorobenzene	4.0	U
630-20-6	1,1,1,2-Tetrachloroethane	4.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V1222-15
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: Knoll-10 25' Dup
Lab File ID: C122938.D
Date Sampled: 12/20/2010
Date Analyzed: 12/29/2010
Dilution Factor: 4.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
100-41-4	Ethylbenzene	4.0	U
1330-20-7	m & p-Xylene	8.0	U
95-47-6	o-Xylene	4.0	U
100-42-5	Styrene	4.0	U
75-25-2	Bromoform	4.0	U
98-82-8	Isopropylbenzene	4.0	U
79-34-5	1,1,2,2-Tetrachloroethane	4.0	U
108-86-1	Bromobenzene	4.0	U
96-18-4	1,2,3-Trichloropropane	4.0	U
95-49-8	2-Chlorotoluene	4.0	U
103-65-1	n-Propylbenzene	4.0	U
108-67-8	1,3,5-Trimethylbenzene	4.0	U
106-43-4	4-Chlorotoluene	4.0	U
98-06-6	tert-Butylbenzene	4.0	U
95-63-6	1,2,4-Trimethylbenzene	4.0	U
135-98-8	sec-Butylbenzene	4.0	U
99-87-6	p-Isopropyltoluene	4.0	U
75-87-3	Chloromethane	4.0	U
75-65-0	tert butyl alcohol	4.0	U
541-73-1	1,3-Dichlorobenzene	4.0	U
109-99-9	Tetrahydrofuran	4.0	U
106-46-7	1,4-Dichlorobenzene	4.0	U
60-29-7	Diethyl Ether	4.0	U
104-51-8	n-Butylbenzene	4.0	U
95-50-1	1,2-Dichlorobenzene	4.0	U
96-12-8	1,2-Dibromo-3-chloropropane	4.0	U
120-82-1	1,2,4-Trichlorobenzene	4.0	U
87-68-3	Hexachlorobutadiene	4.0	U
91-20-3	Naphthalene	4.0	U
87-61-6	1,2,3-Trichlorobenzene	4.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V1222-15
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: Knoll-10 45'
Lab File ID: C122807, C122820
Date Sampled: 12/20/2010
Date Analyzed: 12/28/2010
Dilution Factor: 1.0, 10
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-64-1	Acetone	5.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
1634-04-4	tert-Butyl methyl ether	1.0	U
156-60-5	trans-1,2 Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
594-20-7	2,2-Dichloropropane	1.0	U
156-59-2	cis-1,2-Dichloroethene	44	
67-66-3	Chloroform	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	360	
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
106-93-4	Ethylene Dibromide	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-88-3	Toluene	1.0	U
10061-02-6	Trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethene	8.7	
124-48-1	Chlorodibromomethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V1222-15
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: Knoll-10 45'
Lab File ID: C122807, C122820
Date Sampled: 12/20/2010
Date Analyzed: 12/28/2010
Dilution Factor: 1.0, 10
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-86-1	Bromobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
75-87-3	Chloromethane	1.0	U
75-65-0	tert butyl alcohol	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
109-99-9	Tetrahydrofuran	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
60-29-7	Diethyl Ether	1.0	U
104-51-8	n-Butylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V1222-15
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: VBLK122810
Lab File ID: C122806.D
Date Sampled: 12/20/2010
Date Analyzed: 12/28/2010
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-64-1	Acetone	5.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
1634-04-4	tert-Butyl methyl ether	1.0	U
156-60-5	trans-1,2 Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
594-20-7	2,2-Dichloropropane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
106-93-4	Ethylene Dibromide	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-88-3	Toluene	1.0	U
10061-02-6	Trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V1222-15
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: VBLK122810
Lab File ID: C122806.D
Date Sampled: 12/20/2010
Date Analyzed: 12/28/2010
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-86-1	Bromobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
75-87-3	Chloromethane	1.0	U
75-65-0	tert butyl alcohol	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
109-99-9	Tetrahydrofuran	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
60-29-7	Diethyl Ether	1.0	U
104-51-8	n-Butylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V1222-15
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: VBLK122910B
Lab File ID: C122937.D
Date Sampled: 12/20/2010
Date Analyzed: 12/29/2010
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-64-1	Acetone	5.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
1634-04-4	tert-Butyl methyl ether	1.0	U
156-60-5	trans-1,2 Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
594-20-7	2,2-Dichloropropane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
106-93-4	Ethylene Dibromide	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-88-3	Toluene	1.0	U
10061-02-6	Trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V1222-15
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: VBLK122910B
Lab File ID: C122937.D
Date Sampled: 12/20/2010
Date Analyzed: 12/29/2010
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-86-1	Bromobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
75-87-3	Chloromethane	1.0	U
75-65-0	tert butyl alcohol	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
109-99-9	Tetrahydrofuran	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
60-29-7	Diethyl Ether	1.0	U
104-51-8	n-Butylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: New England Testing Lab Contract: 2 Kansas Street

Lab Code: RI010 Case No.: V1222-15 SAS No.: SDG No.: Knoll Envir

	EPA SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	TOT OUT
01	VLCS122810	101	92	97	0
02	VBLK122810	90	94	98	0
03	KNOLL-10 45'	89	123	90	0
04	KNOLL-10 25'	88	96	97	0
05	VLCS122910B	100	106	101	0
06	VBLK122910B	95	98	97	0
07	KNOLL-10 25' DUP	94	98	95	0

QC LIMITS

SMC1	=	4-Bromofluorobenzene	(70-130)
SMC2	=	Toluene-D8	(70-130)
SMC3	=	1,2-Dichloroethane-D4	(70-130)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

Volatile Organics Laboratory Control Spike

Date Analyzed: 12/28/2010 **Sample ID: VLCS122810**

Compound	Spike Added (ug/L)	Spike Result (ug/L)	Recovery, %	Lower Control Limit, %	Upper Control Limit, %
1,1-Dichloroethene	50.0	58.7	117	70	126
Benzene	50.0	46.4	93	70	127
Trichloroethene	50.0	46.0	92	70	117
Toluene	50.0	44.4	89	70	117
Chlorobenzene	50.0	49.3	99	78	110

Volatile Organics Laboratory Control Spike

Date Analyzed: 12/29/2010 **Sample ID: VLCS122910B**

Compound	Spike Added (ug/L)	Spike Result (ug/L)	Recovery, %	Lower Control Limit, %	Upper Control Limit, %
1,1-Dichloroethene	50.0	49.2	98	70	126
Benzene	50.0	39.7	79	70	127
Trichloroethene	50.0	50.5	101	70	117
Toluene	50.0	53.3	107	70	117
Chlorobenzene	50.0	50.3	101	78	110

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

V1222-15

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone: (781) 449-1566
Fax: (888) 291-8355

Turn Around Time: Normal
Due Date: 12/22/10

Project Name:	COC#	Comments:
Kansas st	2560	
	PO# 3492	
Collected By:		4°C

Sample ID	Collection (Date/Time)	Matrix	Preservative	# of Contrs	8260 (VOC)	5035 high/low	524.2 (VOC)	8270b (PAH's)	8270 (SVOC)	VPH (TPH)	EPH (TPH)	RCRA 8 (Metal)	8080 (PCB)				Asb. by PLM
KNOLL-10 25'	12.20.10	H20	HCL	2	X												
KNOLL-10 45'	12.20.10	"	"	2	X												

Relinquished By: Date/Time
Knoll Staff 12/22/10

Received By: Date/Time
Robert Lee 12/22/10 9:20

Relinquished By: Date/Time
Robert Lee 12/22/10 2:45

Received By: Date/Time
Crystal Fund 12/22/10 2:45pm

Relinquished By: Date/Time

Received By: Date/Time

Notes: GW=Ground Water S=Sediments/Soil WW=Waste Water

g:\knoll\formats\COC.XLS

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number V1214-63

Prepared for:

Attn: Kevin Doherty
Knoll Environmental
60 Wexford St.
Needham, MA 02494

Report Date: December 17, 2010

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

MassDEP Analytical Protocol Certification Form

Laboratory Name:.New England Testing Laboratory	Project #: 2556
Project Location: Kansas Street	RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
V1214-63

Matrices: x Groundwater/Surface Water Soil/Sediment Drinking Water Air Other:

CAM Protocol (check all that apply below):

8260 VOC CAM II A	7470/7471 Hg CAM III B	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP APH CAM IX A
8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EPH CAM IV B **x**	8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VOC CAM IX B
6010 Metals CAM III A	6020 Metals CAM III D	8082 PCB CAM V A	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	X Yes No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	X Yes No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	X Yes No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	X Yes No
E	VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	X Yes No Yes No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	X Yes No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	X Yes No[1]

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	X Yes No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	X Yes No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ **Position:** Laboratory Director

Printed Name: Richard Warila **Date:** 12/17/2010

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on December 14, 2010. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is V1214-63.

Custody records are included in this report.

Site: 2 Kansas Street
COC#: 2556

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
MW-5A	12/13/10	Water	Table II
Knoll-9	12/13/10	Water	Table II
Knoll-11	12/13/10	Water	Table II
Knoll-36	12/13/10	Water	Table II
Knoll-36 Dup	12/13/10	Water	Table II

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
EPH	NA	*

These methods are documented in:

*Method for the Determination of Extractable Petroleum Hydrocarbons (EPH), MADEP.

CASE NARRATIVE:

Sample Receipt:

No trip blank was supplied. No field blank was supplied. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits).

The samples were all appropriately cooled and preserved upon receipt. The samples for dissolved metals were filtered upon receipt to the laboratory.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

EPH:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

RESULTS: EXTRACTABLE PETROLEUM HYDROCARBONS

Results for EPH analysis are presented in the following section. Each page is electronically signed.

APPENDIX 3: REQUIRED EPH DATA REPORTING FORMAT/INFORMATION

SAMPLE INFORMATION

Matrix	X Aqueous Soil Sediment Other:
Containers	_X_ Satisfactory __ Broken __ Leaking:
Aqueous Preservatives	__ N/A _X_ pH≤2 __ pH>2 Comment:
Temperature	X Received on Ice Received at 4 ° C Other:
Extraction Method	Water: Separatory Funnel Soil: N/A

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	MW-5A
Method for Target Analytes:			Lab ID	V1214-63
EPH Surrogate Standards			Date Collected	12/13/10
Aliphatic: Chlorooctadecane			Date Received	12/14/10
Aromatic: o-Terphenyl			Date Extracted	12/16/10
EPH Fractionation Surrogates			Date Analyzed	12/16/10
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	N/A
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		150	ug/L	<150
Diesel PAH Analytes	Naphthalene	1.0	ug/L	<1.0
	2-Methylnaphthalene	1.0	ug/L	<1.0
	Phenanthrene	1.0	ug/L	<1.0
	Acenaphthylene	1.0	ug/L	<1.0
Other Target PAH Analytes	Acenaphthene	5.0	ug/L	<5.0
	Fluorene	5.0	ug/L	<5.0
	Anthracene	5.0	ug/L	<5.0
	Fluoranthene	5.0	ug/L	<5.0
	Pyrene	5.0	ug/L	<5.0
	Benzo(a)anthracene	1.0	ug/L	<1.0
	Chrysene	2.0	ug/L	<2.0
	Benzo(b)fluoranthene	1.0	ug/L	<1.0
	Benzo(k)fluoranthene	1.0	ug/L	<1.0
	Benzo(a)pyrene	0.2	ug/L	<0.2
	Indeno(1,2,3-cd)pyrene	0.5	ug/L	<0.5
	Dibenzo(a,h)anthracene	0.5	ug/L	<0.5
	Benzo(g,h,i)perylene	5.0	ug/L	<5.0
C9-C18 Aliphatic Hydrocarbons[1]		200	ug/L	<200
C19-C36 Aliphatic Hydrocarbons[1]		200	ug/L	<200
C11-C22 Aromatic Hydrocarbons[1,2]		150	ug/L	<150
Aliphatic Surrogate % Recovery				51
Aromatic Surrogate % Recovery				55
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				70
Fractionation Surrogate % Recovery				56
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes __ No-Details Attached

Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached

Were any significant modifications made to the EPH method, as specified in Section 11.3? X No __ Yes-Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 12/17/2010

APPENDIX 3: REQUIRED EPH DATA REPORTING FORMAT/INFORMATION

SAMPLE INFORMATION

Matrix	X Aqueous Soil Sediment Other:
Containers	_X_ Satisfactory __ Broken __ Leaking:
Aqueous Preservatives	__ N/A _X_ pH<2 __ pH>2 Comment:
Temperature	X Received on Ice Received at 4 ° C Other:
Extraction Method	Water: Separatory Funnel Soil: N/A

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	Knoll-9
Method for Target Analytes:			Lab ID	V1214-63
EPH Surrogate Standards			Date Collected	12/13/10
Aliphatic: Chlorooctadecane			Date Received	12/14/10
Aromatic: o-Terphenyl			Date Extracted	12/16/10
EPH Fractionation Surrogates			Date Analyzed	12/16/10
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	N/A
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		150	ug/L	<150
Diesel PAH Analytes	Naphthalene	1.0	ug/L	<1.0
	2-Methylnaphthalene	1.0	ug/L	<1.0
	Phenanthrene	1.0	ug/L	<1.0
	Acenaphthylene	1.0	ug/L	<1.0
Other Target PAH Analytes	Acenaphthene	5.0	ug/L	<5.0
	Fluorene	5.0	ug/L	<5.0
	Anthracene	5.0	ug/L	<5.0
	Fluoranthene	5.0	ug/L	<5.0
	Pyrene	5.0	ug/L	<5.0
	Benzo(a)anthracene	1.0	ug/L	<1.0
	Chrysene	2.0	ug/L	<2.0
	Benzo(b)fluoranthene	1.0	ug/L	<1.0
	Benzo(k)fluoranthene	1.0	ug/L	<1.0
	Benzo(a)pyrene	0.2	ug/L	<0.2
	Indeno(1,2,3-cd)pyrene	0.5	ug/L	<0.5
	Dibenzo(a,h)anthracene	0.5	ug/L	<0.5
	Benzo(g,h,i)perylene	5.0	ug/L	<5.0
C9-C18 Aliphatic Hydrocarbons[1]		200	ug/L	<200
C19-C36 Aliphatic Hydrocarbons[1]		200	ug/L	1390
C11-C22 Aromatic Hydrocarbons[1,2]		150	ug/L	<150
Aliphatic Surrogate % Recovery				61
Aromatic Surrogate % Recovery				81
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				77
Fractionation Surrogate % Recovery				54
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes __ No-Details Attached

Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached

Were any significant modifications made to the EPH method, as specified in Section 11.3? X No __ Yes-Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 12/17/2010

APPENDIX 3: REQUIRED EPH DATA REPORTING FORMAT/INFORMATION

SAMPLE INFORMATION

Matrix	X Aqueous Soil Sediment Other:
Containers	_X_ Satisfactory __ Broken __ Leaking:
Aqueous Preservatives	__ N/A _X_ pH<2 __ pH>2 Comment:
Temperature	X Received on Ice Received at 4 ° C Other:
Extraction Method	Water: Separatory Funnel Soil: N/A

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	Knoll-11
Method for Target Analytes:			Lab ID	V1214-63
EPH Surrogate Standards			Date Collected	12/13/10
Aliphatic: Chlorooctadecane			Date Received	12/14/10
Aromatic: o-Terphenyl			Date Extracted	12/16/10
EPH Fractionation Surrogates			Date Analyzed	12/16/10
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	N/A
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		150	ug/L	706
Diesel PAH Analytes	Naphthalene	1.0	ug/L	<1.0
	2-Methylnaphthalene	1.0	ug/L	<1.0
	Phenanthrene	1.0	ug/L	<1.0
	Acenaphthylene	1.0	ug/L	<1.0
Other Target PAH Analytes	Acenaphthene	5.0	ug/L	<5.0
	Fluorene	5.0	ug/L	<5.0
	Anthracene	5.0	ug/L	<5.0
	Fluoranthene	5.0	ug/L	<5.0
	Pyrene	5.0	ug/L	<5.0
	Benzo(a)anthracene	1.0	ug/L	<1.0
	Chrysene	2.0	ug/L	<2.0
	Benzo(b)fluoranthene	1.0	ug/L	<1.0
	Benzo(k)fluoranthene	1.0	ug/L	<1.0
	Benzo(a)pyrene	0.2	ug/L	<0.2
	Indeno(1,2,3-cd)pyrene	0.5	ug/L	<0.5
	Dibenzo(a,h)anthracene	0.5	ug/L	<0.5
	Benzo(g,h,i)perylene	5.0	ug/L	<5.0
C9-C18 Aliphatic Hydrocarbons[1]		200	ug/L	<200
C19-C36 Aliphatic Hydrocarbons[1]		200	ug/L	4700
C11-C22 Aromatic Hydrocarbons[1,2]		150	ug/L	706
Aliphatic Surrogate % Recovery				56
Aromatic Surrogate % Recovery				53
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				70
Fractionation Surrogate % Recovery				55
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes __ No-Details Attached

Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached

Were any significant modifications made to the EPH method, as specified in Section 11.3? X No __ Yes-Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 12/17/2010

APPENDIX 3: REQUIRED EPH DATA REPORTING FORMAT/INFORMATION

SAMPLE INFORMATION

Matrix	X Aqueous Soil Sediment Other:
Containers	_X_ Satisfactory __ Broken __ Leaking:
Aqueous Preservatives	__ N/A _X_ pH<2 __ pH>2 Comment:
Temperature	X Received on Ice Received at 4 ° C Other:
Extraction Method	Water: Separatory Funnel Soil: N/A

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	Knoll-36
Method for Target Analytes:			Lab ID	V1214-63
EPH Surrogate Standards			Date Collected	12/13/10
Aliphatic: Chlorooctadecane			Date Received	12/14/10
Aromatic: o-Terphenyl			Date Extracted	12/16/10
EPH Fractionation Surrogates			Date Analyzed	12/16/10
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	N/A
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		150	ug/L	<150
Diesel PAH Analytes	Naphthalene	1.0	ug/L	<1.0
	2-Methylnaphthalene	1.0	ug/L	<1.0
	Phenanthrene	1.0	ug/L	<1.0
	Acenaphthylene	1.0	ug/L	<1.0
Other Target PAH Analytes	Acenaphthene	5.0	ug/L	<5.0
	Fluorene	5.0	ug/L	<5.0
	Anthracene	5.0	ug/L	<5.0
	Fluoranthene	5.0	ug/L	<5.0
	Pyrene	5.0	ug/L	<5.0
	Benzo(a)anthracene	1.0	ug/L	<1.0
	Chrysene	2.0	ug/L	<2.0
	Benzo(b)fluoranthene	1.0	ug/L	<1.0
	Benzo(k)fluoranthene	1.0	ug/L	<1.0
	Benzo(a)pyrene	0.2	ug/L	<0.2
	Indeno(1,2,3-cd)pyrene	0.5	ug/L	<0.5
	Dibenzo(a,h)anthracene	0.5	ug/L	<0.5
	Benzo(g,h,i)perylene	5.0	ug/L	<5.0
C9-C18 Aliphatic Hydrocarbons[1]		200	ug/L	<200
C19-C36 Aliphatic Hydrocarbons[1]		200	ug/L	<200
C11-C22 Aromatic Hydrocarbons[1,2]		150	ug/L	<150
Aliphatic Surrogate % Recovery				56
Aromatic Surrogate % Recovery				55
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				76
Fractionation Surrogate % Recovery				65
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes __ No-Details Attached

Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached

Were any significant modifications made to the EPH method, as specified in Section 11.3? X No __ Yes-Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 12/17/2010

APPENDIX 3: REQUIRED EPH DATA REPORTING FORMAT/INFORMATION

SAMPLE INFORMATION

Matrix	X Aqueous Soil Sediment Other:
Containers	_X_ Satisfactory __ Broken __ Leaking:
Aqueous Preservatives	__ N/A _X_ pH<2 __ pH>2 Comment:
Temperature	X Received on Ice Received at 4 ° C Other:
Extraction Method	Water: Separatory Funnel Soil: N/A

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	Knoll-36 Dup
Method for Target Analytes:			Lab ID	V1214-63
EPH Surrogate Standards			Date Collected	12/13/10
Aliphatic: Chlorooctadecane			Date Received	12/14/10
Aromatic: o-Terphenyl			Date Extracted	12/16/10
EPH Fractionation Surrogates			Date Analyzed	12/17/10
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	N/A
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		150	ug/L	<150
Diesel PAH Analytes	Naphthalene	1.0	ug/L	<1.0
	2-Methylnaphthalene	1.0	ug/L	<1.0
	Phenanthrene	1.0	ug/L	<1.0
	Acenaphthylene	1.0	ug/L	<1.0
Other Target PAH Analytes	Acenaphthene	5.0	ug/L	<5.0
	Fluorene	5.0	ug/L	<5.0
	Anthracene	5.0	ug/L	<5.0
	Fluoranthene	5.0	ug/L	<5.0
	Pyrene	5.0	ug/L	<5.0
	Benzo(a)anthracene	1.0	ug/L	<1.0
	Chrysene	2.0	ug/L	<2.0
	Benzo(b)fluoranthene	1.0	ug/L	<1.0
	Benzo(k)fluoranthene	1.0	ug/L	<1.0
	Benzo(a)pyrene	0.2	ug/L	<0.2
	Indeno(1,2,3-cd)pyrene	0.5	ug/L	<0.5
	Dibenzo(a,h)anthracene	0.5	ug/L	<0.5
	Benzo(g,h,i)perylene	5.0	ug/L	<5.0
C9-C18 Aliphatic Hydrocarbons[1]		200	ug/L	<200
C19-C36 Aliphatic Hydrocarbons[1]		200	ug/L	<200
C11-C22 Aromatic Hydrocarbons[1,2]		150	ug/L	<150
Aliphatic Surrogate % Recovery				58
Aromatic Surrogate % Recovery				56
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				77
Fractionation Surrogate % Recovery				66
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes __ No-Details Attached

Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached

Were any significant modifications made to the EPH method, as specified in Section 11.3? X No __ Yes-Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 12/17/2010

APPENDIX 3: REQUIRED EPH DATA REPORTING FORMAT/INFORMATION

SAMPLE INFORMATION

Matrix	X Aqueous Soil Sediment Other:
Containers	__ Satisfactory __ Broken __ Leaking:
Aqueous Preservatives	__ N/A __ pH≤2 __ pH>2 Comment:
Temperature	Received on Ice Received at 4 ° C Other:
Extraction Method	Water: Separatory Funnel Soil: N/A

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	Method Blank
Method for Target Analytes:			Lab ID	V1214-63
EPH Surrogate Standards			Date Collected	NA
Aliphatic: Chlorooctadecane			Date Received	NA
Aromatic: o-Terphenyl			Date Extracted	12/16/10
EPH Fractionation Surrogates			Date Analyzed	12/16/10
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	N/A
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		150	ug/L	<150
Diesel PAH Analytes	Naphthalene	1.0	ug/L	<1.0
	2-Methylnaphthalene	1.0	ug/L	<1.0
	Phenanthrene	1.0	ug/L	<1.0
	Acenaphthylene	1.0	ug/L	<1.0
Other Target PAH Analytes	Acenaphthene	5.0	ug/L	<5.0
	Fluorene	5.0	ug/L	<5.0
	Anthracene	5.0	ug/L	<5.0
	Fluoranthene	5.0	ug/L	<5.0
	Pyrene	5.0	ug/L	<5.0
	Benzo(a)anthracene	1.0	ug/L	<1.0
	Chrysene	2.0	ug/L	<2.0
	Benzo(b)fluoranthene	1.0	ug/L	<1.0
	Benzo(k)fluoranthene	1.0	ug/L	<1.0
	Benzo(a)pyrene	0.2	ug/L	<0.2
	Indeno(1,2,3-cd)pyrene	0.5	ug/L	<0.5
	Dibenzo(a,h)anthracene	0.5	ug/L	<0.5
	Benzo(g,h,i)perylene	5.0	ug/L	<5.0
C9-C18 Aliphatic Hydrocarbons[1]		200	ug/L	<200
C19-C36 Aliphatic Hydrocarbons[1]		200	ug/L	<200
C11-C22 Aromatic Hydrocarbons[1,2]		150	ug/L	<150
Aliphatic Surrogate % Recovery				63
Aromatic Surrogate % Recovery				77
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				82
Fractionation Surrogate % Recovery				71
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed?	X Yes __ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved?	X Yes __ No-Details Attached
Were any significant modifications made to the EPH method, as specified in Section 11.3?	X No __ Yes-Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 12/17/2010

Spike Recovery and RPD Summary Report - WATER

Method : C:\HPCHEM\1\METHODS\EPHALI.M (Chemstation Integrator)
Title :
Last Update : Mon Nov 22 09:21:48 2010
Response via : Initial Calibration

Non-Spiked Sample: J121613.D

	Spike Sample	Spike Duplicate Sample
File ID :	J121614.D	J121615.D
Sample :	LEW HX 12-16	LEWD HX 12-16
Acq Time:	16 Dec 2010 3:54 pm	16 Dec 2010 4:23 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Nonane	0.0	40	15	14	38	36	7	25	30-140
Decane	0.0	40	19	18	46	44	5	25	40-140
Dodecane	0.0	40	22	21	56	53	5	25	40-140
Tetradecane	0.0	40	24	24	61	59	3	25	40-140
Hexadecane	0.0	40	28	28	70	70	1	25	40-140
Octadecane	0.0	40	30	29	75	73	2	25	40-140
Nonadecane	0.0	40	28	27	70	68	3	25	40-140
Eicosane	0.0	40	31	30	78	75	3	25	40-140
Docosane	0.0	40	31	29	76	73	4	25	40-140
Tetracosane	0.0	40	30	29	75	72	5	25	40-140
Hexacosane	0.0	40	30	28	74	71	4	25	40-140
Octacosane	0.0	40	30	29	74	71	4	25	40-140
Triacontane	0.0	40	29	28	73	69	5	25	40-140
Hexatriacontane	0.0	40	24	23	60	56	7	25	40-140

- Fails Limit Check

EPHALI.M Fri Dec 17 07:34:54 2010

Spike Recovery and RPD Summary Report - WATER

Method : E:\2\METHODS\ARO.M (Chemstation Integrator)
Title :
Last Update : Fri Dec 10 10:37:40 2010
Response via : Initial Calibration

Non-Spiked Sample: F121613.D

	Spike Sample	Spike Duplicate Sample
File ID :	F121614.D	F121615.D
Sample :	LEW 12-16 ME	LEWD 12-16 ME
Acq Time:	16 Dec 2010 6:19 pm	16 Dec 2010 7:03 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Naphthalene	0.0	40	24	23	61	58	5	25	40-140
2 methyl naphthalene	0.0	40	25	23	63	56	10	25	40-140
acenaphthylene	0.0	40	27	24	68	61	11	25	40-140
Acenaphthene	0.0	40	30	29	74	72	4	25	40-140
fluorene	0.0	40	29	27	72	69	5	25	40-140
phenanthrene	0.0	40	31	29	76	72	5	25	40-140
Anthracene	0.0	40	34	32	84	79	7	25	40-140
Fluoranthene	0.0	40	34	32	86	80	7	25	40-140
Pyrene	0.0	40	33	31	84	78	7	25	40-140
Benzo(a)anthracene	0.0	40	37	34	92	84	9	25	40-140
Chrysene	0.0	40	37	35	93	86	8	25	40-140
Benzo(b)fluoranthene	0.0	40	31	29	78	72	9	25	40-140
Benzo(k)fluoranthene	0.0	40	44	41	111	102	8	25	40-140
Benzo(a)pyrene	0.0	40	35	31	88	77	14	25	40-140
Indeno(123cd)pyrene	0.0	40	38	35	94	87	8	25	40-140
Dibenzo(ah)anthracen	0.0	40	34	31	84	77	9	25	40-140
Benzo(ghi)perylene	0.0	40	34	30	84	76	10	25	40-140

- Fails Limit Check

ARO.M Fri Dec 17 07:52:55 2010

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

V1214-63

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone: (781) 449-1566
Fax: (888) 291-8355

Turn Around Time: Normal
Due Date: 12/19/10

Project Name:	**COC#**	**Comments:**
Kansas St.	2556	
	PO# 3480	
Collected By: K.N.		

Sample ID	Collection (Date/Time)	Matrix	Preservative	# of Contrs	8260 (VOC)	5035 high/low	524.2 (VOC)	8270b (PAH's)	8270 (SVOC)	VPH (TPH)	EPH (TPH)	RCRA 8 (Metal)	8080 (PCB)				Asb. by PLM
MW-5A	12/13/10	H_2O	HCL	1							X						
KNOLL-9	"	"	"	1							X						
KNOLL-11	"	"	"	1							X						
KNOLL-36	"	"	"	1							X						

Relinquished By:	Date/Time	Relinquished By:	Date/Time	Relinquished By:	Date/Time
[signature]	12/14/10	Lori Dawson	12-14-10 4:45		
Received By:	**Date/Time**	**Received By:**	**Date/Time**	**Received By:**	**Date/Time**
Lori Dawson	12-14-10 2:16			Kara Schmaling	12/14/10 14:16

Notes: GW=Ground Water S=Sediments/Soil WW=Waste Water

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number V0914-37B

Prepared for:

Attn: Kevin Doherty
Knoll Environmental
60 Wexford St.
Needham, MA 02494

Report Date: September 21, 2010

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc.	Project #: 2545
Project Location: 2 Kansas Street	RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
V0914-37B

Matrices: x Groundwater/Surface Water Soil/Sediment Drinking Water Air Other:

CAM Protocol (check all that apply below):

8260 VOC CAM II A **x**	7470/7471 Hg CAM III B	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP APH CAM IX A
8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EPH CAM IV B	8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VOC CAM IX B
6010 Metals CAM III A	6020 Metals CAM III D	8082 PCB CAM V A	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	X Yes No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	X Yes No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	X Yes No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	X Yes No
E	VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	Yes No Yes No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	X Yes No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	X Yes No[1]

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	X Yes No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	X Yes No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:  **Position:** Laboratory Director

Printed Name: Richard Warila **Date:** 9/21/2010

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on September 14, 2010. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is V0914-37B.

Custody records are included in this report.

Site: 2 Kansas Street
COC#: 2545

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
Knoll-31-20'	9/13/10	Water	Table II
Knoll-31-45'	9/13/10	Water	Table II
Knoll-32-20'	9/13/10	Water	Table II
Knoll-32-45'	9/13/10	Water	Table II
Knoll-33-20'	9/13/10	Water	Table II
Knoll-33-45'	9/13/10	Water	Table II
Knoll-34-20'	9/13/10	Water	Table II
Knoll-34-45'	9/13/10	Water	Table II
Knoll-34-45' Dup.	9/13/10	Water	Table II

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Volatile Organic Compounds	5030	8260B

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.

CASE NARRATIVE:

Sample Receipt:

No trip blank was supplied. No field blank was supplied. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits).

The samples were all appropriately cooled and preserved upon receipt. The samples for dissolved metals were filtered upon receipt to the laboratory.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

Volatile Organic Compounds:

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

RESULTS: VOLATILE ORGANIC COMPOUNDS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0914-37B
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: Knoll-31-20'
Lab File ID: C092027.D
Date Sampled: 9/13/2010
Date Analyzed: 9/20/2010
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-64-1	Acetone	5.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
1634-04-4	tert-Butyl methyl ether	20	
156-60-5	trans-1,2 Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
594-20-7	2,2-Dichloropropane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
106-93-4	Ethylene Dibromide	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-88-3	Toluene	1.0	U
10061-02-6	Trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0914-37B
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: Knoll-31-20'
Lab File ID: C092027.D
Date Sampled: 9/13/2010
Date Analyzed: 9/20/2010
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-86-1	Bromobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
75-87-3	Chloromethane	1.0	U
75-65-0	tert butyl alcohol	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
109-99-9	Tetrahydrofuran	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
60-29-7	Diethyl Ether	1.0	U
104-51-8	n-Butylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0914-37B
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: Knoll-31-45'
Lab File ID: C092024.D
Date Sampled: 9/13/2010
Date Analyzed: 9/20/2010
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-64-1	Acetone	5.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
1634-04-4	tert-Butyl methyl ether	22	
156-60-5	trans-1,2 Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
594-20-7	2,2-Dichloropropane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
106-93-4	Ethylene Dibromide	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-88-3	Toluene	1.0	U
10061-02-6	Trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0914-37B
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: Knoll-31-45'
Lab File ID: C092024.D
Date Sampled: 9/13/2010
Date Analyzed: 9/20/2010
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-86-1	Bromobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
75-87-3	Chloromethane	1.0	U
75-65-0	tert butyl alcohol	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
109-99-9	Tetrahydrofuran	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
60-29-7	Diethyl Ether	1.0	U
104-51-8	n-Butylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0914-37B
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: Knoll-32-20'
Lab File ID: C092026.D
Date Sampled: 9/13/2010
Date Analyzed: 9/20/2010
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-64-1	Acetone	5.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
1634-04-4	tert-Butyl methyl ether	58	
156-60-5	trans-1,2 Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
594-20-7	2,2-Dichloropropane	1.0	U
156-59-2	cis-1,2-Dichloroethene	2.0	
67-66-3	Chloroform	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
106-93-4	Ethylene Dibromide	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-88-3	Toluene	1.0	U
10061-02-6	Trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0914-37B
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: Knoll-32-20'
Lab File ID: C092026.D
Date Sampled: 9/13/2010
Date Analyzed: 9/20/2010
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-86-1	Bromobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
75-87-3	Chloromethane	1.0	U
75-65-0	tert butyl alcohol	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
109-99-9	Tetrahydrofuran	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
60-29-7	Diethyl Ether	1.0	U
104-51-8	n-Butylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0914-37B
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: Knoll-32-45'
Lab File ID: C092025.D
Date Sampled: 9/13/2010
Date Analyzed: 9/20/2010
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-64-1	Acetone	5.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
1634-04-4	tert-Butyl methyl ether	49	
156-60-5	trans-1,2 Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
594-20-7	2,2-Dichloropropane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.8	
67-66-3	Chloroform	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
106-93-4	Ethylene Dibromide	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-88-3	Toluene	1.0	U
10061-02-6	Trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0914-37B
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: Knoll-32-45'
Lab File ID: C092025.D
Date Sampled: 9/13/2010
Date Analyzed: 9/20/2010
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-86-1	Bromobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
75-87-3	Chloromethane	1.0	U
75-65-0	tert butyl alcohol	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
109-99-9	Tetrahydrofuran	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
60-29-7	Diethyl Ether	1.0	U
104-51-8	n-Butylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0914-37B
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: Knoll-33-20'
Lab File ID: C092023.D
Date Sampled: 9/13/2010
Date Analyzed: 9/20/2010
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-64-1	Acetone	5.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
1634-04-4	tert-Butyl methyl ether	22	
156-60-5	trans-1,2 Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
594-20-7	2,2-Dichloropropane	1.0	U
156-59-2	cis-1,2-Dichloroethene	2.1	
67-66-3	Chloroform	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	4.4	
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
106-93-4	Ethylene Dibromide	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-88-3	Toluene	1.0	U
10061-02-6	Trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0914-37B
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: Knoll-33-20'
Lab File ID: C092023.D
Date Sampled: 9/13/2010
Date Analyzed: 9/20/2010
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-86-1	Bromobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
75-87-3	Chloromethane	1.0	U
75-65-0	tert butyl alcohol	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
109-99-9	Tetrahydrofuran	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
60-29-7	Diethyl Ether	1.0	U
104-51-8	n-Butylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0914-37B
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: Knoll-33-45'
Lab File ID: C092020.D
Date Sampled: 9/13/2010
Date Analyzed: 9/20/2010
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-64-1	Acetone	5.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
1634-04-4	tert-Butyl methyl ether	48	
156-60-5	trans-1,2 Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
594-20-7	2,2-Dichloropropane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.9	
67-66-3	Chloroform	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	2.5	
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
106-93-4	Ethylene Dibromide	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-88-3	Toluene	1.0	U
10061-02-6	Trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0914-37B
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: Knoll-33-45'
Lab File ID: C092020.D
Date Sampled: 9/13/2010
Date Analyzed: 9/20/2010
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-86-1	Bromobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
75-87-3	Chloromethane	1.0	U
75-65-0	tert butyl alcohol	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
109-99-9	Tetrahydrofuran	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
60-29-7	Diethyl Ether	1.0	U
104-51-8	n-Butylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0914-37B
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: Knoll-34-20'
Lab File ID: C092022.D
Date Sampled: 9/13/2010
Date Analyzed: 9/20/2010
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-64-1	Acetone	5.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
1634-04-4	tert-Butyl methyl ether	3.3	
156-60-5	trans-1,2 Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
594-20-7	2,2-Dichloropropane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
106-93-4	Ethylene Dibromide	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-88-3	Toluene	1.0	U
10061-02-6	Trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0914-37B
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: Knoll-34-20'
Lab File ID: C092022.D
Date Sampled: 9/13/2010
Date Analyzed: 9/20/2010
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-86-1	Bromobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
75-87-3	Chloromethane	1.0	U
75-65-0	tert butyl alcohol	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
109-99-9	Tetrahydrofuran	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
60-29-7	Diethyl Ether	1.0	U
104-51-8	n-Butylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0914-37B
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: Knoll-34-45'
Lab File ID: C092021.D
Date Sampled: 9/13/2010
Date Analyzed: 9/20/2010
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-64-1	Acetone	5.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
1634-04-4	tert-Butyl methyl ether	4.2	
156-60-5	trans-1,2 Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
594-20-7	2,2-Dichloropropane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
106-93-4	Ethylene Dibromide	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-88-3	Toluene	1.0	U
10061-02-6	Trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0914-37B
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: Knoll-34-45'
Lab File ID: C092021.D
Date Sampled: 9/13/2010
Date Analyzed: 9/20/2010
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-86-1	Bromobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
75-87-3	Chloromethane	1.0	U
75-65-0	tert butyl alcohol	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
109-99-9	Tetrahydrofuran	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
60-29-7	Diethyl Ether	1.0	U
104-51-8	n-Butylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0914-37B
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: Knoll-34-45' Dup
Lab File ID: C091728.D
Date Sampled: 9/13/2010
Date Analyzed: 9/17/2010
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-64-1	Acetone	5.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
1634-04-4	tert-Butyl methyl ether	4.3	
156-60-5	trans-1,2 Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
594-20-7	2,2-Dichloropropane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
106-93-4	Ethylene Dibromide	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-88-3	Toluene	1.0	U
10061-02-6	Trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0914-37B
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: Knoll-34-45' Dup
Lab File ID: C091728.D
Date Sampled: 9/13/2010
Date Analyzed: 9/17/2010
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-86-1	Bromobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
75-87-3	Chloromethane	1.0	U
75-65-0	tert butyl alcohol	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
109-99-9	Tetrahydrofuran	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
60-29-7	Diethyl Ether	1.0	U
104-51-8	n-Butylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0914-37B
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: VBLK091710
Lab File ID: C091715.D
Date Sampled: 9/13/2010
Date Analyzed: 9/17/2010
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-64-1	Acetone	5.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
1634-04-4	tert-Butyl methyl ether	1.0	U
156-60-5	trans-1,2 Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
594-20-7	2,2-Dichloropropane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
106-93-4	Ethylene Dibromide	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-88-3	Toluene	1.0	U
10061-02-6	Trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0914-37B
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: VBLK091710
Lab File ID: C091715.D
Date Sampled: 9/13/2010
Date Analyzed: 9/17/2010
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-86-1	Bromobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
75-87-3	Chloromethane	1.0	U
75-65-0	tert butyl alcohol	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
109-99-9	Tetrahydrofuran	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
60-29-7	Diethyl Ether	1.0	U
104-51-8	n-Butylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0914-37B
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: VBLK092010
Lab File ID: C092016.D
Date Sampled: 9/13/2010
Date Analyzed: 9/20/2010
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-64-1	Acetone	5.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
1634-04-4	tert-Butyl methyl ether	1.0	U
156-60-5	trans-1,2 Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
594-20-7	2,2-Dichloropropane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
106-93-4	Ethylene Dibromide	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-88-3	Toluene	1.0	U
10061-02-6	Trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0914-37B
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: VBLK092010
Lab File ID: C092016.D
Date Sampled: 9/13/2010
Date Analyzed: 9/20/2010
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-86-1	Bromobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
75-87-3	Chloromethane	1.0	U
75-65-0	tert butyl alcohol	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
109-99-9	Tetrahydrofuran	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
60-29-7	Diethyl Ether	1.0	U
104-51-8	n-Butylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: New England Testing Laboratory Contract: 2 Kansas Street

Lab Code: RI010 Case No.: V0914-37B SAS No.: Knoll E SDG No.: Knoll Envir

	EPA SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	TOT OUT
01	LCS091710	102	98	101	0
02	LCSD091710	96	96	107	0
03	VBLK091710	118	79	92	0
04	KNOLL-34-45' DUP	98	86	90	0
05	LCS092010	106	100	113	0
06	LCSD092010	105	98	110	0
07	VBLK092010	101	81	97	0
08	KNOLL-33-45'	93	79	89	0
09	KNOLL-34-45'	91	80	99	0
10	KNOLL-34-20'	96	76	93	0
11	KNOLL-33-20'	97	77	96	0
12	KNOLL-31-45'	99	77	100	0
13	KNOLL-32-45'	97	75	102	0
14	KNOLL-32-20'	93	70	99	0
15	KNOLL-31-20'	92	74	101	0

QC LIMITS

SMC1	=	4-Bromofluorobenzene	(70-130)
SMC2	=	Toluene-D8	(70-130)
SMC3	=	1,2-Dichloroethane-D4	(70-130)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

Volatile Organics LCS and LCSD Duplicate Results

LCS092010

Compound	LCS True Value	LCS Result	Recovery, %	LCSD True Value	LCSD Result	Recovery, %	Recovery QC Limits	Units	RPD, %	RPD Limits
Dichlorodifluoromethane	50	48.4	**97**	50	42.6	**85**	70-130%	ug/L	**12.6**	20.0
Chloromethane	50	50.8	**102**	50	44.2	**88**	70-130%	ug/L	**13.7**	20.0
Vinyl Chloride	50	55.3	**111**	50	49.7	**99**	70-130%	ug/L	**10.6**	20.0
Bromomethane	50	61.9	**124**	50	61.8	**124**	70-130%	ug/L	**0.2**	20.0
Chloroethane	50	57.5	**115**	50	59.3	**119**	70-130%	ug/L	**3.1**	20.0
Trichlorofluoromethane	50	54.2	**108**	50	50.8	**102**	70-130%	ug/L	**6.4**	20.0
Diethyl Ether	50	48.6	**97**	50	48.9	**98**	70-130%	ug/L	**1**	20.0
1,1-Dichloroethene	50	51.8	**104**	50	49.3	**99**	70-130%	ug/L	**5.0**	20.0
Carbon Disulfide	50	55.5	**111**	50	51.9	**104**	70-130%	ug/L	**6.7**	20.0
Methylene Chloride	50	50.8	**102**	50	49.0	**98**	70-130%	ug/L	**3.6**	20.0
Acetone	50	57.4	**115**	50	63.2	**126**	70-130%	ug/L	**9.7**	20.0
Trans-1,2-dichloroethene	50	53.3	**107**	50	50.4	**101**	70-130%	ug/L	**5.7**	20.0
Tert-butyl Methyl Ether	50	50.1	**100**	50	50.2	**100**	70-130%	ug/L	**0.1**	20.0
Diisopropyl Ether	50	52.0	**104**	50	50.4	**101**	70-130%	ug/L	**3.1**	20.0
1,1-Dichloroethane	50	51.9	**104**	50	49.2	**98**	70-130%	ug/L	**5.4**	20.0
Ethyl Tery-butyl Ether	50	50.4	**101**	50	50.5	**101**	70-130%	ug/L	**0.2**	20.0
Cis-1,2-dichloroethene	50	46.2	**92**	50	48.1	**96**	70-130%	ug/L	**4.0**	20.0
2,2-Dichloropropane	50	55.4	**111**	50	51.8	**104**	70-130%	ug/L	**6.7**	20.0
Bromochloromethane	50	50.7	**101**	50	47.6	**95**	70-130%	ug/L	**6.3**	20.0
Chloroform	50	50.0	**100**	50	47.4	**95**	70-130%	ug/L	**5.3**	20.0
Carbon Tetrachloride	50	52.5	**105**	50	49.3	**99**	70-130%	ug/L	**6.4**	20.0
Tetrahydrofuran	50	48.2	**96**	50	39.7	**79**	70-130%	ug/L	**19.3**	20.0
1,1,1-Trichloroethane	50	51.3	**103**	50	47.9	**96**	70-130%	ug/L	**6.7**	20.0
2-Butanone	50	55.4	**111**	50	58.0	**116**	70-130%	ug/L	**4.6**	20.0
1,1-Dichloropropene	50	49.0	**98**	50	48.3	**97**	70-130%	ug/L	**1.6**	20.0
Benzene	50	50.9	**102**	50	49.4	**99**	70-130%	ug/L	**2.9**	20.0
Tert-butyl Alcohol	50	54.5	**109**	50	52.6	**105**	70-130%	ug/L	**3.5**	20.0
Tert-amyl Methyl Ether	50	47.8	**96**	50	47.0	**94**	70-130%	ug/L	**1.7**	20.0
1,2-Dichloroethane	50	47.8	**96**	50	47.9	**96**	70-130%	ug/L	**0.3**	20.0
Trichloroethene	50	50.4	**101**	50	48.4	**97**	70-130%	ug/L	**4.0**	20.0
Dibromomethane	50	47.6	**95**	50	47.1	**94**	70-130%	ug/L	**0.9**	20.0
1,2-Dichloropropane	50	48.8	**98**	50	46.8	**94**	70-130%	ug/L	**4.2**	20.0
Bromodichloromethane	50	48.4	**97**	50	47.4	**95**	70-130%	ug/L	**2.0**	20.0
Cis-1,3-dichloropropene	50	60.5	**121**	50	60.7	**121**	70-130%	ug/L	**0.4**	20.0
2-CEVE	50	57.4	**115**	50	53.6	**107**	70-130%	ug/L	**6.9**	20.0
Toluene	50	52.3	**105**	50	48.8	**98**	70-130%	ug/L	**6.8**	20.0
4-Methyl-2-Pentanone	50	51.2	**102**	50	50.7	**101**	70-130%	ug/L	**0.8**	20.0
Tetrachloroethene	50	49.5	**99**	50	47.1	**94**	70-130%	ug/L	**5.1**	20.0
Trans-1,3-Dichloropropene	50	56.8	**114**	50	55.8	**112**	70-130%	ug/L	**1.7**	20.0
1,1,2-Trichloroethane	50	59.5	**119**	50	54.1	**108**	70-130%	ug/L	**9.6**	20.0
Dibromochloromethane	50	62.1	**124**	50	58.0	**116**	70-130%	ug/L	**6.9**	20.0
1,3-Dichloropropane	50	57.4	**115**	50	55.5	**111**	70-130%	ug/L	**3.4**	20.0
1,2-Dibromoethane	50	60.4	**121**	50	59.9	**120**	70-130%	ug/L	**0.8**	20.0
2-Hexanone	50	49.4	**99**	50	45.1	**90**	70-130%	ug/L	**9.1**	20.0
Chlorobenzene	50	49.6	**99**	50	44.9	**90**	70-130%	ug/L	**10.0**	20.0
Ethylbenzene	50	44.4	**89**	50	41.2	**82**	70-130%	ug/L	**7.5**	20.0
m,p-Xylene	100	89.3	**89**	100	81.2	**81**	70-130%	ug/L	**9.5**	20.0
1,1,1,2-Tetrachloroethane	50	51.7	**103**	50	46.0	**92**	70-130%	ug/L	**11.6**	20.0
o-Xylene	50	51.9	**104**	50	47.9	**96**	70-130%	ug/L	**8.0**	20.0
Styrene	50	56.7	**113**	50	54.3	**109**	70-130%	ug/L	**4.3**	20.0
Bromoform	50	54.7	**109**	50	51.7	**103**	70-130%	ug/L	**5.6**	20.0
Isopropylbenzene	50	55.5	**111**	50	51.2	**102**	70-130%	ug/L	**8.2**	20.0
Bromobenzene	50	56.6	**113**	50	55.5	**111**	70-130%	ug/L	**2.0**	20.0
n-Propylbenzene	50	46.2	**92**	50	42.5	**85**	70-130%	ug/L	**8.2**	20.0
1,1,2,2-Tetrachloroethene	50	51.7	**103**	50	45.8	**92**	70-130%	ug/L	**12.1**	20.0
2-Chlorotoluene	50	44.0	**88**	50	40.3	**81**	70-130%	ug/L	**8.8**	20.0
1,2,3-Trichloropropane	50	50.1	**100**	50	48.8	**98**	70-130%	ug/L	**2.5**	20.0
1,3,5-Trimethylbenzene	50	41.3	**83**	50	38.7	**77**	70-130%	ug/L	**6.4**	20.0
4-Chlorotoluene	50	43.8	**88**	50	40.7	**81**	70-130%	ug/L	**7.3**	20.0
Tert-butylbenzene	50	47.3	**95**	50	44.6	**89**	70-130%	ug/L	**5.9**	20.0
1,2,4-Trimethylbenzene	50	41.7	**83**	50	38.6	**77**	70-130%	ug/L	**7.7**	20.0
Sec-butylbenzene	50	40.9	**82**	50	37.3	**75**	70-130%	ug/L	**9.2**	20.0
p-Isopropyltoluene	50	40.1	**80**	50	37.3	**75**	70-130%	ug/L	**7.3**	20.0
1,3-Dichlorobenzene	50	42.6	**85**	50	39.2	**78**	70-130%	ug/L	**8.3**	20.0
1,4-Dichlorobenzene	50	47.4	**95**	50	46.7	**93**	70-130%	ug/L	**1.6**	20.0
n-Butyl Bezene	50	55.2	**110**	50	52.1	**104**	70-130%	ug/L	**5.7**	20.0
1,2-Dichlorbenzene	50	44.5	**89**	50	44.7	**89**	70-130%	ug/L	**0.4**	20.0
1,2-Dibromo-3-chloropr...	50	47.7	**95**	50	51.0	**102**	70-130%	ug/L	**6.6**	20.0
Hexachlorobutadiene	50	47.1	**94**	50	45.4	**91**	70-130%	ug/L	**3.6**	20.0
1,2,4-Trichlorobenzene	50	44.1	**88**	50	43.2	**86**	70-130%	ug/L	**1.9**	20.0
Naphthalene	50	53.3	**107**	50	58.4	**116.82**	70-130%	ug/L	**9.1**	20
1,2,3-Trichlorobenzene	50	49.8	**100**	50	52.2	**104.46**	70-130%	ug/L	**4.8**	20

Volatile Organics LCS and LCSD Duplicate Results

LCS092010

Compound	LCS True Value	LCS Result	Recovery, %	LCSD True Value	LCSD Result	Recovery, %	Recovery QC Limits	Units	RPD, %	RPD Limits
Dichlorodifluoromethane	50	50.3	**101**	50	45.8	**92**	70-130%	ug/L	**9.3**	20.0
Chloromethane	50	52.0	**104**	50	45.9	**92**	70-130%	ug/L	**12.4**	20.0
Vinyl Chloride	50	51.4	**103**	50	46.4	**93**	70-130%	ug/L	**10.2**	20.0
Bromomethane	50	47.3	**95**	50	40.2	**80**	70-130%	ug/L	**16.2**	20.0
Chloroethane	50	40.9	**82**	50	41.2	**82**	70-130%	ug/L	**0.9**	20.0
Trichlorofluoromethane	50	57.1	**114**	50	51.4	**103**	70-130%	ug/L	**10.6**	20.0
Diethyl Ether	50	47.8	**96**	50	46.1	**92**	70-130%	ug/L	**4**	20.0
1,1-Dichloroethene	50	51.4	**103**	50	47.1	**94**	70-130%	ug/L	**8.8**	20.0
Carbon Disulfide	50	49.3	**99**	50	45.1	**90**	70-130%	ug/L	**8.9**	20.0
Methylene Chloride	50	49.8	**100**	50	47.9	**96**	70-130%	ug/L	**4.0**	20.0
Acetone	50	64.5	**129**	50	64.8	**130**	70-130%	ug/L	**0.5**	20.0
Trans-1,2-dichloroethene	50	52.1	**104**	50	50.4	**101**	70-130%	ug/L	**3.2**	20.0
Tert-butyl Methyl Ether	50	54.1	**108**	50	53.2	**106**	70-130%	ug/L	**1.7**	20.0
Diisopropyl Ether	50	50.3	**101**	50	47.0	**94**	70-130%	ug/L	**6.8**	20.0
1,1-Dichloroethane	50	50.2	**100**	50	47.2	**94**	70-130%	ug/L	**6.2**	20.0
Ethyl Tery-butyl Ether	50	52.2	**104**	50	49.3	**99**	70-130%	ug/L	**5.8**	20.0
Cis-1,2-dichloroethene	50	51.7	**103**	50	48.6	**97**	70-130%	ug/L	**6.2**	20.0
2,2-Dichloropropane	50	54.4	**109**	50	49.7	**99**	70-130%	ug/L	**9.1**	20.0
Bromochloromethane	50	53.3	**107**	50	51.0	**102**	70-130%	ug/L	**4.4**	20.0
Chloroform	50	51.6	**103**	50	48.2	**96**	70-130%	ug/L	**6.9**	20.0
Carbon Tetrachloride	50	49.1	**98**	50	45.1	**90**	70-130%	ug/L	**8.6**	20.0
Tetrahydrofuran	50	48.5	**97**	50	47.8	**96**	70-130%	ug/L	**1.6**	20.0
1,1,1-Trichloroethane	50	52.4	**105**	50	47.9	**96**	70-130%	ug/L	**9.0**	20.0
2-Butanone	50	61.3	**123**	50	60.5	**121**	70-130%	ug/L	**1.3**	20.0
1,1-Dichloropropene	50	51.7	**103**	50	47.5	**95**	70-130%	ug/L	**8.6**	20.0
Benzene	50	50.5	**101**	50	47.3	**95**	70-130%	ug/L	**6.6**	20.0
Tert-butyl Alcohol	50	40.9	**82**	50	48.8	**98**	70-130%	ug/L	**17.4**	20.0
Tert-amyl Methyl Ether	50	48.4	**97**	50	46.6	**93**	70-130%	ug/L	**3.9**	20.0
1,2-Dichloroethane	50	49.1	**98**	50	48.7	**97**	70-130%	ug/L	**0.8**	20.0
Trichloroethene	50	51.1	**102**	50	46.9	**94**	70-130%	ug/L	**8.6**	20.0
Dibromomethane	50	50.3	**101**	50	49.3	**99**	70-130%	ug/L	**2.1**	20.0
1,2-Dichloropropane	50	49.7	**99**	50	47.2	**94**	70-130%	ug/L	**5.1**	20.0
Bromodichloromethane	50	49.3	**99**	50	47.6	**95**	70-130%	ug/L	**3.5**	20.0
Cis-1,3-dichloropropene	50	45.4	**91**	50	42.7	**85**	70-130%	ug/L	**6.1**	20.0
2-CEVE	50	45.0	**90**	50	39.9	**80**	70-130%	ug/L	**12.1**	20.0
Toluene	50	50.1	**100**	50	45.9	**92**	70-130%	ug/L	**8.6**	20.0
4-Methyl-2-Pentanone	50	48.1	**96**	50	46.0	**92**	70-130%	ug/L	**4.5**	20.0
Tetrachloroethene	50	53.1	**106**	50	49.3	**99**	70-130%	ug/L	**7.5**	20.0
Trans-1,3-Dichloropropene	50	51.2	**102**	50	49.1	**98**	70-130%	ug/L	**4.3**	20.0
1,1,2-Trichloroethane	50	44.6	**89**	50	43.2	**86**	70-130%	ug/L	**3.2**	20.0
Dibromochloromethane	50	51.4	**103**	50	48.9	**98**	70-130%	ug/L	**4.9**	20.0
1,3-Dichloropropane	50	45.2	**90**	50	43.2	**86**	70-130%	ug/L	**4.4**	20.0
1,2-Dibromoethane	50	53.4	**107**	50	51.0	**102**	70-130%	ug/L	**4.6**	20.0
2-Hexanone	50	40.2	**80**	50	44.8	**90**	70-130%	ug/L	**10.9**	20.0
Chlorobenzene	50	49.5	**99**	50	47.7	**95**	70-130%	ug/L	**3.7**	20.0
Ethylbenzene	50	48.7	**97**	50	45.4	**91**	70-130%	ug/L	**7.0**	20.0
m,p-Xylene	100	99.5	**100**	100	94.9	**95**	70-130%	ug/L	**4.8**	20.0
1,1,1,2-Tetrachloroethane	50	45.0	**90**	50	43.8	**88**	70-130%	ug/L	**2.7**	20.0
o-Xylene	50	49.6	**99**	50	48.0	**96**	70-130%	ug/L	**3.3**	20.0
Styrene	50	53.7	**107**	50	52.4	**105**	70-130%	ug/L	**2.5**	20.0
Bromoform	50	51.6	**103**	50	51.0	**102**	70-130%	ug/L	**1.1**	20.0
Isopropylbenzene	50	50.3	**101**	50	46.3	**93**	70-130%	ug/L	**8.4**	20.0
Bromobenzene	50	50.2	**100**	50	48.3	**97**	70-130%	ug/L	**3.8**	20.0
n-Propylbenzene	50	46.5	**93**	50	44.5	**89**	70-130%	ug/L	**4.3**	20.0
1,1,2,2-Tetrachloroethene	50	49.4	**99**	50	48.8	**98**	70-130%	ug/L	**1.3**	20.0
2-Chlorotoluene	50	43.7	**87**	50	41.8	**84**	70-130%	ug/L	**4.5**	20.0
1,2,3-Trichloropropane	50	48.7	**97**	50	49.5	**99**	70-130%	ug/L	**1.7**	20.0
1,3,5-Trimethylbenzene	50	42.0	**84**	50	41.1	**82**	70-130%	ug/L	**2.1**	20.0
4-Chlorotoluene	50	44.6	**89**	50	43.4	**87**	70-130%	ug/L	**2.9**	20.0
Tert-butylbenzene	50	42.8	**86**	50	40.7	**81**	70-130%	ug/L	**5.0**	20.0
1,2,4-Trimethylbenzene	50	42.8	**86**	50	40.4	**81**	70-130%	ug/L	**5.9**	20.0
Sec-butylbenzene	50	45.3	**91**	50	42.3	**85**	70-130%	ug/L	**6.9**	20.0
p-Isopropyltoluene	50	40.9	**82**	50	39.3	**79**	70-130%	ug/L	**4.0**	20.0
1,3-Dichlorobenzene	50	39.3	**79**	50	38.6	**77**	70-130%	ug/L	**1.7**	20.0
1,4-Dichlorobenzene	50	46.6	**93**	50	45.4	**91**	70-130%	ug/L	**2.7**	20.0
n-Butyl Bezene	50	52.7	**105**	50	49.9	**100**	70-130%	ug/L	**5.5**	20.0
1,2-Dichlorbenzene	50	48.8	**98**	50	47.5	**95**	70-130%	ug/L	**2.7**	20.0
1,2-Dibromo-3-chloropr...	50	60.9	**122**	50	63.2	**126**	70-130%	ug/L	**3.7**	20.0
Hexachlorobutadiene	50	48.3	**97**	50	45.7	**91**	70-130%	ug/L	**5.4**	20.0
1,2,4-Trichlorobenzene	50	43.4	**87**	50	43.1	**86**	70-130%	ug/L	**0.6**	20.0
Naphthalene	50	60.8	**122**	50	62.1	**124.18**	70-130%	ug/L	**2.0**	20
1,2,3-Trichlorobenzene	50	51.1	**102**	50	51.1	**102.12**	70-130%	ug/L	**0.1**	20

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KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494
Phone: (781) 449-1566
Fax: (888) 291-8355

Turn Around Time: Normal
Due Date: 9/20/10

Project Name: 2 KANSAS ST.

COC# 2545

PO# 3477

Comments:

Collected By: K.D

Sample ID	Collection (Date/Time)	Matrix	Preservative	# of Contrs	8260 (VOC)	5035 high/low	524.2 (VOC)	8270b (PAH's)	8270 (SVOC)	VPH (TPH)	EPH (TPH)	RCRA 8 (Metal)	8080 (PCB)				Asb. by PLM
KNOLL-31-20'	9.13	H2O	HCL	2	X												
KNOLL-31-45'	"	"	"	2	X												
KNOLL-32-20'	"	"	"	2	X												
KNOLL-32-45'	"	"	"	2	X												
KNOLL-33-20'	"	"	"	2	X												
KNOLL-33-45	"	"	"	2	X												
KNOLL-34-20'	"	"	"	2	X												
KNOLL-34-45'	"	"	"	2	X												

Relinquished By: [signature] Date/Time 9/13/10

Relinquished By: Date/Time

Relinquished By: Date/Time

Received By: [signature] Date/Time 9/14/10 11:30

Received By: Date/Time

Received By: Crystal Lund Date/Time 9/14/10 4:15

Notes: GW=Ground Water S=Sediments/Soil WW=Waste Water

g:\knoll\formats\COC.XLS

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number V0914-37A

Prepared for:

Attn: Kevin Doherty
Knoll Environmental
60 Wexford St.
Needham, MA 02494

Report Date: September 21, 2010

Lab # RI010

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

Total # of Pages: 30

MassDEP Analytical Protocol Certification Form

Laboratory Name: New England Testing Laboratory, Inc. Project #: 2545

Project Location: 2 Kansas St RTN:

This Form provides certifications for the following data set: list Laboratory Sample ID Number(s):
V0914-37A

Matrices: x Groundwater/Surface Water Soil/Sediment Drinking Water Air Other:

CAM Protocol (check all that apply below):

8260 VOC CAM II A **x**	7470/7471 Hg CAM III B	MassDEP VPH CAM IV A	8081 Pesticides CAM V B	7196 Hex Cr CAM VI B	MassDEP APH CAM IX A
8270 SVOC CAM II B	7010 Metals CAM III C	MassDEP EPH CAM IV B **x**	8151 Herbicides CAM V C	8330 Explosives CAM VIII A	TO-15 VOC CAM IX B
6010 Metals CAM III A	6020 Metals CAM III D	8082 PCB CAM V A	9014 Total Cyanide/PAC CAM VI A	6860 Perchlorate CAM VIII B	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding times?	X Yes No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	X Yes No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	X Yes No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	X Yes No
E	VPH, EPH, APH, and TO-15 only: a. VPH, EPH, and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	X Yes No Yes No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	X Yes No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	X Yes No[1]

Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WSC-07-350.

H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	X Yes No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	X Yes No[1]

[1] *All negative responses must be addressed in an attached laboratory narrative.*

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: _____ **Position:** Laboratory Director

Printed Name: Richard Warila **Date:** 9/21/2010

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on September 14, 2010. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. This report of analytical results pertains only to the sample(s) provided to us by the client which are indicated on the custody record. The case number for this sample submission is V0914-37A.

Custody records are included in this report.

Site: 2 Kansas Street
COC#: 2545

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
Knoll-25	9/13/10	Water	Table II
Knoll-26	9/13/10	Water	Table II
Knoll-26 Dup.	9/13/10	Water	Table II
Knoll-29-20'	9/13/10	Water	Table III
Knoll-29-45'	9/13/10	Water	Table III
Knoll-30-20'	9/13/10	Water	Table III
Knoll-30-45'	9/13/10	Water	Table III
Knoll-30-45' Dup.	9/13/10	Water	Table III

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
EPH	NA	*

TABLE III, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
VOC	5030B	8260B

These methods are documented in:

*Method for the Determination of Extractable Petroleum Hydrocarbons (EPH), MADEP.

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.

CASE NARRATIVE:

Sample Receipt:

No trip blank was supplied. No field blank was supplied. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits).

The samples were all appropriately cooled and preserved upon receipt. The samples for dissolved metals were filtered upon receipt to the laboratory.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

EPH:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Volatile Organic Compounds:

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

RESULTS: EXTRACTABLE PETROLEUM HYDROCARBONS

Results for EPH analysis are presented in the following section. Each page is electronically signed.

APPENDIX 3: REQUIRED EPH DATA REPORTING FORMAT/INFORMATION

SAMPLE INFORMATION

Matrix	X Aqueous Soil Sediment Other:
Containers	_X_ Satisfactory __ Broken __ Leaking:
Aqueous Preservatives	__ N/A _X_ pH<2 __ pH>2 Comment:
Temperature	X Received on Ice Received at 4 ° C Other:
Extraction Method	Water: Separatory Funnel Soil: N/A

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	Knoll-25
Method for Target Analytes:			Lab ID	V0914-37A
EPH Surrogate Standards			Date Collected	9/13/10
Aliphatic: Chlorooctadecane			Date Received	9/14/10
Aromatic: o-Terphenyl			Date Extracted	9/20/10
EPH Fractionation Surrogates			Date Analyzed	9/20/10
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	N/A
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		150	ug/L	164
Diesel PAH Analytes	Naphthalene	1.0	ug/L	<1.0
	2-Methylnaphthalene	1.0	ug/L	<1.0
	Phenanthrene	1.0	ug/L	<1.0
	Acenaphthylene	1.0	ug/L	<1.0
Other Target PAH Analytes	Acenaphthene	5.0	ug/L	<5.0
	Fluorene	5.0	ug/L	<5.0
	Anthracene	5.0	ug/L	<5.0
	Fluoranthene	5.0	ug/L	<5.0
	Pyrene	5.0	ug/L	<5.0
	Benzo(a)anthracene	1.0	ug/L	<1.0
	Chrysene	2.0	ug/L	<2.0
	Benzo(b)fluoranthene	1.0	ug/L	<1.0
	Benzo(k)fluoranthene	1.0	ug/L	<1.0
	Benzo(a)pyrene	0.2	ug/L	<0.2
	Indeno(1,2,3-cd)pyrene	0.5	ug/L	<0.5
	Dibenzo(a,h)anthracene	0.5	ug/L	<0.5
	Benzo(g,h,i)perylene	5.0	ug/L	<5.0
C9-C18 Aliphatic Hydrocarbons[1]		200	ug/L	<200
C19-C36 Aliphatic Hydrocarbons[1]		200	ug/L	<200
C11-C22 Aromatic Hydrocarbons[1,2]		150	ug/L	164
Aliphatic Surrogate % Recovery				41
Aromatic Surrogate % Recovery				76
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				97
Fractionation Surrogate % Recovery				65
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes __ No-Details Attached

Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached

Were any significant modifications made to the EPH method, as specified in Section 11.3? X No __ Yes-Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 9/21/2010

APPENDIX 3: REQUIRED EPH DATA REPORTING FORMAT/INFORMATION

SAMPLE INFORMATION

Matrix	X Aqueous Soil Sediment Other:
Containers	_X_ Satisfactory __ Broken __ Leaking:
Aqueous Preservatives	__ N/A _X_ pH≤2 __ pH>2 Comment:
Temperature	X Received on Ice Received at 4 ° C Other:
Extraction Method	Water: Separatory Funnel Soil: N/A

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	Knoll-26
Method for Target Analytes:			Lab ID	V0914-37A
EPH Surrogate Standards			Date Collected	9/13/10
Aliphatic: Chlorooctadecane			Date Received	9/14/10
Aromatic: o-Terphenyl			Date Extracted	9/20/10
EPH Fractionation Surrogates			Date Analyzed	9/20/10
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	N/A
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		150	ug/L	<150
Diesel PAH Analytes	Naphthalene	1.0	ug/L	<1.0
	2-Methylnaphthalene	1.0	ug/L	<1.0
	Phenanthrene	1.0	ug/L	<1.0
	Acenaphthylene	1.0	ug/L	<1.0
Other Target PAH Analytes	Acenaphthene	5.0	ug/L	<5.0
	Fluorene	5.0	ug/L	<5.0
	Anthracene	5.0	ug/L	<5.0
	Fluoranthene	5.0	ug/L	<5.0
	Pyrene	5.0	ug/L	<5.0
	Benzo(a)anthracene	1.0	ug/L	<1.0
	Chrysene	2.0	ug/L	<2.0
	Benzo(b)fluoranthene	1.0	ug/L	<1.0
	Benzo(k)fluoranthene	1.0	ug/L	<1.0
	Benzo(a)pyrene	0.2	ug/L	<0.2
	Indeno(1,2,3-cd)pyrene	0.5	ug/L	<0.5
	Dibenzo(a,h)anthracene	0.5	ug/L	<0.5
	Benzo(g,h,i)perylene	5.0	ug/L	<5.0
C9-C18 Aliphatic Hydrocarbons[1]		200	ug/L	<200
C19-C36 Aliphatic Hydrocarbons[1]		200	ug/L	<200
C11-C22 Aromatic Hydrocarbons[1,2]		150	ug/L	<150
Aliphatic Surrogate % Recovery				55
Aromatic Surrogate % Recovery				123
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				114
Fractionation Surrogate % Recovery				97
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed?	X Yes __ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved?	X Yes __ No-Details Attached
Were any significant modifications made to the EPH method, as specified in Section 11.3?	X No __ Yes-Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 9/21/2010

APPENDIX 3: REQUIRED EPH DATA REPORTING FORMAT/INFORMATION

SAMPLE INFORMATION

Matrix	X Aqueous Soil Sediment Other:
Containers	_X_ Satisfactory __ Broken __ Leaking:
Aqueous Preservatives	__ N/A _X_ pH<2 __ pH>2 Comment:
Temperature	X Received on Ice Received at 4 ° C Other:
Extraction Method	Water: Separatory Funnel Soil: N/A

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	Knoll-26 Dup.
Method for Target Analytes:			Lab ID	V0914-37A
EPH Surrogate Standards			Date Collected	9/13/10
Aliphatic: Chlorooctadecane			Date Received	9/14/10
Aromatic: o-Terphenyl			Date Extracted	9/20/10
EPH Fractionation Surrogates			Date Analyzed	9/20/10
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	N/A
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		150	ug/L	<150
Diesel PAH Analytes	Naphthalene	1.0	ug/L	<1.0
	2-Methylnaphthalene	1.0	ug/L	<1.0
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	Acenaphthylene	1.0	ug/L	<1.0
Other Target PAH Analytes	Acenaphthene	5.0	ug/L	<5.0
	Fluorene	5.0	ug/L	<5.0
	Anthracene	5.0	ug/L	<5.0
	Fluoranthene	5.0	ug/L	<5.0
	Pyrene	5.0	ug/L	<5.0
	Benzo(a)anthracene	1.0	ug/L	<1.0
	Chrysene	2.0	ug/L	<2.0
	Benzo(b)fluoranthene	1.0	ug/L	<1.0
	Benzo(k)fluoranthene	1.0	ug/L	<1.0
	Benzo(a)pyrene	0.2	ug/L	<0.2
	Indeno(1,2,3-cd)pyrene	0.5	ug/L	<0.5
	Dibenzo(a,h)anthracene	0.5	ug/L	<0.5
	Benzo(g,h,i)perylene	5.0	ug/L	<5.0
C9-C18 Aliphatic Hydrocarbons[1]		200	ug/L	<200
C19-C36 Aliphatic Hydrocarbons[1]		200	ug/L	<200
C11-C22 Aromatic Hydrocarbons[1,2]		150	ug/L	<150
Aliphatic Surrogate % Recovery				55
Aromatic Surrogate % Recovery				123
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				114
Fractionation Surrogate % Recovery				97
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

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Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached

Were any significant modifications made to the EPH method, as specified in Section 11.3? X No __ Yes-Details Attached

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SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 9/21/2010

APPENDIX 3: REQUIRED EPH DATA REPORTING FORMAT/INFORMATION

SAMPLE INFORMATION

Matrix	X Aqueous Soil Sediment Other:
Containers	__ Satisfactory __ Broken __ Leaking:
Aqueous Preservatives	__ N/A __ pH≤2 __ pH>2 Comment:
Temperature	Received on Ice Received at 4 ° C Other:
Extraction Method	Water: Separatory Funnel Soil: N/A

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	Method Blank
Method for Target Analytes:			Lab ID	V0914-37A
EPH Surrogate Standards			Date Collected	NA
Aliphatic: Chlorooctadecane			Date Received	NA
Aromatic: o-Terphenyl			Date Extracted	9/20/10
EPH Fractionation Surrogates			Date Analyzed	9/20/10
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	N/A
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		150	ug/L	<150
Diesel PAH Analytes	Naphthalene	1.0	ug/L	<1.0
	2-Methylnaphthalene	1.0	ug/L	<1.0
	Phenanthrene	1.0	ug/L	<1.0
	Acenaphthylene	1.0	ug/L	<1.0
Other Target PAH Analytes	Acenaphthene	5.0	ug/L	<5.0
	Fluorene	5.0	ug/L	<5.0
	Anthracene	5.0	ug/L	<5.0
	Fluoranthene	5.0	ug/L	<5.0
	Pyrene	5.0	ug/L	<5.0
	Benzo(a)anthracene	1.0	ug/L	<1.0
	Chrysene	2.0	ug/L	<2.0
	Benzo(b)fluoranthene	1.0	ug/L	<1.0
	Benzo(k)fluoranthene	1.0	ug/L	<1.0
	Benzo(a)pyrene	0.2	ug/L	<0.2
	Indeno(1,2,3-cd)pyrene	0.5	ug/L	<0.5
	Dibenzo(a,h)anthracene	0.5	ug/L	<0.5
	Benzo(g,h,i)perylene	5.0	ug/L	<5.0
C9-C18 Aliphatic Hydrocarbons[1]		200	ug/L	<200
C19-C36 Aliphatic Hydrocarbons[1]		200	ug/L	<200
C11-C22 Aromatic Hydrocarbons[1,2]		150	ug/L	<150
Aliphatic Surrogate % Recovery				55
Aromatic Surrogate % Recovery				99
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				104
Fractionation Surrogate % Recovery				76
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes __ No-Details Attached

Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached

Were any significant modifications made to the EPH method, as specified in Section 11.3? X No __ Yes-Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 9/21/2010

Spike Recovery and RPD Summary Report - WATER

Method : C:\HPCHEM\1\METHODS\EPHALI.M (Chemstation Integrator)
Title :
Last Update : Fri Jul 30 08:57:59 2010
Response via : Initial Calibration

Non-Spiked Sample: J092002.D

	Spike Sample	Spike Duplicate Sample
File ID :	J092010.D	J092011.D
Sample :	LEW 9-20	LEWD 9-20
Acq Time:	20 Sep 2010 5:12 pm	20 Sep 2010 5:40 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Nonane	0.0	40	20	25	51	63	22	25	30-140
Decane	0.0	40	24	29	60	72	18	25	40-140
Dodecane	0.0	40	27	32	67	80	17	25	40-140
Tetradecane	0.0	40	28	32	70	81	14	25	40-140
Hexadecane	0.0	40	30	37	75	91	19	25	40-140
Octadecane	0.0	40	34	39	85	97	13	25	40-140
Nonadecane	0.0	40	30	35	75	88	16	25	40-140
Eicosane	0.0	40	34	39	85	97	13	25	40-140
Docosane	0.0	40	34	42	85	104	20	25	40-140
Tetracosane	0.0	40	32	37	81	93	13	25	40-140
Hexacosane	0.0	40	34	40	86	100	15	25	40-140
Octacosane	0.0	40	32	37	80	94	16	25	40-140
Triacontane	0.0	40	33	38	82	95	14	25	40-140
Hexatriacontane	0.0	40	31	37	79	93	16	25	40-140

- Fails Limit Check

EPHALI.M Tue Sep 21 09:24:22 2010

Spike Recovery and RPD Summary Report - WATER

Method : C:\HPCHEM\2\METHODS\ARO.M (Chemstation Integrator)
Title :
Last Update : Mon Aug 09 08:17:24 2010
Response via : Initial Calibration

Non-Spiked Sample: F092002.D

	Spike Sample	Spike Duplicate Sample
File ID :	F092010.D	F092011.D
Sample :	LEW 9-20	LEWD 9-20
Acq Time:	20 Sep 2010 7:44 pm	20 Sep 2010 8:27 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Naphthalene	0.0	40	36	30	89	76	16	25	40-140
2 methyl naphthalene	0.0	40	32	28	79	69	13	25	40-140
acenaphthylene	0.0	40	33	29	84	73	14	25	40-140
Acenaphthene	0.0	40	38	32	95	81	16	25	40-140
fluorene	0.0	40	36	31	91	77	17	25	40-140
phenanthrene	0.0	40	36	30	89	76	16	25	40-140
Anthracene	0.0	40	37	31	91	78	15	25	40-140
Fluoranthene	0.0	40	36	31	91	78	15	25	40-140
Pyrene	0.0	40	37	32	93	81	14	25	40-140
Benzo(a)anthracene	0.0	40	35	30	88	76	15	25	40-140
Chrysene	0.0	40	37	32	94	79	17	25	40-140
Benzo(b)fluoranthene	0.0	40	32	29	81	73	11	25	40-140
Benzo(k)fluoranthene	0.0	40	35	31	88	78	12	25	40-140
Benzo(a)pyrene	0.0	40	35	30	87	75	16	25	40-140
Indeno(123cd)pyrene	0.0	40	34	36	86	89	3	25	40-140
Dibenzo(ah)anthracen	0.0	40	37	39	93	99	6	25	40-140
Benzo(ghi)perylene	0.0	40	33	28	83	71	15	25	40-140

- Fails Limit Check

ARO.M Tue Sep 21 09:51:00 2010

RESULTS: VOLATILE ORGANIC COMPOUNDS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0914-37A
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: Knoll-29-20'
Lab File ID: C091727.D
Date Sampled: 9/13/2010
Date Analyzed: 9/17/2010
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-64-1	Acetone	5.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
1634-04-4	tert-Butyl methyl ether	1.1	
156-60-5	trans-1,2 Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
594-20-7	2,2-Dichloropropane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
106-93-4	Ethylene Dibromide	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-88-3	Toluene	1.0	U
10061-02-6	Trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0914-37A
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: Knoll-29-20'
Lab File ID: C091727.D
Date Sampled: 9/13/2010
Date Analyzed: 9/17/2010
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-86-1	Bromobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
75-87-3	Chloromethane	1.0	U
75-65-0	tert butyl alcohol	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
109-99-9	Tetrahydrofuran	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
60-29-7	Diethyl Ether	1.0	U
104-51-8	n-Butylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0914-37A
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: Knoll-29-45'
Lab File ID: C091726.D
Date Sampled: 9/13/2010
Date Analyzed: 9/17/2010
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-64-1	Acetone	5.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
1634-04-4	tert-Butyl methyl ether	29	
156-60-5	trans-1,2 Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
594-20-7	2,2-Dichloropropane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
106-93-4	Ethylene Dibromide	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-88-3	Toluene	1.0	U
10061-02-6	Trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0914-37A
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: Knoll-29-45'
Lab File ID: C091726.D
Date Sampled: 9/13/2010
Date Analyzed: 9/17/2010
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-86-1	Bromobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
75-87-3	Chloromethane	1.0	U
75-65-0	tert butyl alcohol	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
109-99-9	Tetrahydrofuran	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
60-29-7	Diethyl Ether	1.0	U
104-51-8	n-Butylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0914-37A
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: Knoll-30-20'
Lab File ID: C092025.D
Date Sampled: 9/13/2010
Date Analyzed: 9/20/2010
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-64-1	Acetone	5.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
1634-04-4	tert-Butyl methyl ether	49	
156-60-5	trans-1,2 Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
594-20-7	2,2-Dichloropropane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.8	
67-66-3	Chloroform	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
106-93-4	Ethylene Dibromide	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-88-3	Toluene	1.0	U
10061-02-6	Trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0914-37A
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: Knoll-30-20'
Lab File ID: C092025.D
Date Sampled: 9/13/2010
Date Analyzed: 9/20/2010
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-86-1	Bromobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
75-87-3	Chloromethane	1.0	U
75-65-0	tert butyl alcohol	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
109-99-9	Tetrahydrofuran	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
60-29-7	Diethyl Ether	1.0	U
104-51-8	n-Butylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0914-37A
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: Knoll-30-45'
Lab File ID: C092019.D
Date Sampled: 9/13/2010
Date Analyzed: 9/20/2010
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-64-1	Acetone	5.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
1634-04-4	tert-Butyl methyl ether	21	
156-60-5	trans-1,2 Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
594-20-7	2,2-Dichloropropane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
106-93-4	Ethylene Dibromide	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-88-3	Toluene	1.0	U
10061-02-6	Trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0914-37A
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: Knoll-30-45'
Lab File ID: C092019.D
Date Sampled: 9/13/2010
Date Analyzed: 9/20/2010
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-86-1	Bromobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
75-87-3	Chloromethane	1.0	U
75-65-0	tert butyl alcohol	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
109-99-9	Tetrahydrofuran	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
60-29-7	Diethyl Ether	1.0	U
104-51-8	n-Butylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0914-37A
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: Knoll-30-45' Dup
Lab File ID: C091724.D
Date Sampled: 9/13/2010
Date Analyzed: 9/17/2010
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-64-1	Acetone	5.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
1634-04-4	tert-Butyl methyl ether	19	
156-60-5	trans-1,2 Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
594-20-7	2,2-Dichloropropane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
106-93-4	Ethylene Dibromide	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-88-3	Toluene	1.0	U
10061-02-6	Trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0914-37A
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: Knoll-30-45' Dup
Lab File ID: C091724.D
Date Sampled: 9/13/2010
Date Analyzed: 9/17/2010
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-86-1	Bromobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
75-87-3	Chloromethane	1.0	U
75-65-0	tert butyl alcohol	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
109-99-9	Tetrahydrofuran	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
60-29-7	Diethyl Ether	1.0	U
104-51-8	n-Butylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0914-37A
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: VBLK091710
Lab File ID: C091715.D
Date Sampled: 9/13/2010
Date Analyzed: 9/17/2010
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-64-1	Acetone	5.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
1634-04-4	tert-Butyl methyl ether	1.0	U
156-60-5	trans-1,2 Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
594-20-7	2,2-Dichloropropane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
106-93-4	Ethylene Dibromide	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-88-3	Toluene	1.0	U
10061-02-6	Trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0914-37A
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: VBLK091710
Lab File ID: C091715.D
Date Sampled: 9/13/2010
Date Analyzed: 9/17/2010
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-86-1	Bromobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
75-87-3	Chloromethane	1.0	U
75-65-0	tert butyl alcohol	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
109-99-9	Tetrahydrofuran	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
60-29-7	Diethyl Ether	1.0	U
104-51-8	n-Butylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0914-37A
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: VBLK092010
Lab File ID: C092016.D
Date Sampled: 9/13/2010
Date Analyzed: 9/20/2010
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-64-1	Acetone	5.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	1.0	U
1634-04-4	tert-Butyl methyl ether	1.0	U
156-60-5	trans-1,2 Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
594-20-7	2,2-Dichloropropane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
106-93-4	Ethylene Dibromide	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-88-3	Toluene	1.0	U
10061-02-6	Trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: V0914-37A
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials:

Client Name: Knoll Environmental
Lab Sample ID: VBLK092010
Lab File ID: C092016.D
Date Sampled: 9/13/2010
Date Analyzed: 9/20/2010
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-86-1	Bromobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
75-87-3	Chloromethane	1.0	U
75-65-0	tert butyl alcohol	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
109-99-9	Tetrahydrofuran	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
60-29-7	Diethyl Ether	1.0	U
104-51-8	n-Butylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: New England Testing Laboratory Contract: 2 Kansas Street

Lab Code: RI010 Case No.: V0914-37A SAS No.: Knoll E SDG No.: Knoll Envir

	EPA SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	TOT OUT
01	LCS091710	102	98	101	0
02	LCSD091710	96	96	107	0
03	VBLK091710	118	79	92	0
04	KNOLL-30-45' DUP	113	72	88	0
05	KNOLL-29-45'	110	71	98	0
06	KNOLL-29-20'	106	90	91	0
07	LCS092010	106	100	113	0
08	LCSD092010	105	98	110	0
09	VBLK092010	101	81	97	0
10	KNOLL-30-45'	89	79	95	0
11	KNOLL-30-29'	97	75	102	0

QC LIMITS

SMC1	=	4-Bromofluorobenzene	(70-130)
SMC2	=	Toluene-D8	(70-130)
SMC3	=	1,2-Dichloroethane-D4	(70-130)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

Volatile Organics LCS and LCSD Duplicate Results

LCS092010

Compound	LCS True Value	LCS Result	Recovery, %	LCSD True Value	LCSD Result	Recovery, %	Recovery QC Limits	Units	RPD, %	RPD Limits
Dichlorodifluoromethane	50	48.4	**97**	50	42.6	**85**	70-130%	ug/L	**12.6**	20.0
Chloromethane	50	50.8	**102**	50	44.2	**88**	70-130%	ug/L	**13.7**	20.0
Vinyl Chloride	50	55.3	**111**	50	49.7	**99**	70-130%	ug/L	**10.6**	20.0
Bromomethane	50	61.9	**124**	50	61.8	**124**	70-130%	ug/L	**0.2**	20.0
Chloroethane	50	57.5	**115**	50	59.3	**119**	70-130%	ug/L	**3.1**	20.0
Trichlorofluoromethane	50	54.2	**108**	50	50.8	**102**	70-130%	ug/L	**6.4**	20.0
Diethyl Ether	50	48.6	**97**	50	48.9	**98**	70-130%	ug/L	**1**	20.0
1,1-Dichloroethene	50	51.8	**104**	50	49.3	**99**	70-130%	ug/L	**5.0**	20.0
Carbon Disulfide	50	55.5	**111**	50	51.9	**104**	70-130%	ug/L	**6.7**	20.0
Methylene Chloride	50	50.8	**102**	50	49.0	**98**	70-130%	ug/L	**3.6**	20.0
Acetone	50	57.4	**115**	50	63.2	**126**	70-130%	ug/L	**9.7**	20.0
Trans-1,2-dichloroethene	50	53.3	**107**	50	50.4	**101**	70-130%	ug/L	**5.7**	20.0
Tert-butyl Methyl Ether	50	50.1	**100**	50	50.2	**100**	70-130%	ug/L	**0.1**	20.0
Diisopropyl Ether	50	52.0	**104**	50	50.4	**101**	70-130%	ug/L	**3.1**	20.0
1,1-Dichloroethane	50	51.9	**104**	50	49.2	**98**	70-130%	ug/L	**5.4**	20.0
Ethyl Tery-butyl Ether	50	50.4	**101**	50	50.5	**101**	70-130%	ug/L	**0.2**	20.0
Cis-1,2-dichloroethene	50	46.2	**92**	50	48.1	**96**	70-130%	ug/L	**4.0**	20.0
2,2-Dichloropropane	50	55.4	**111**	50	51.8	**104**	70-130%	ug/L	**6.7**	20.0
Bromochloromethane	50	50.7	**101**	50	47.6	**95**	70-130%	ug/L	**6.3**	20.0
Chloroform	50	50.0	**100**	50	47.4	**95**	70-130%	ug/L	**5.3**	20.0
Carbon Tetrachloride	50	52.5	**105**	50	49.3	**99**	70-130%	ug/L	**6.4**	20.0
Tetrahydrofuran	50	48.2	**96**	50	39.7	**79**	70-130%	ug/L	**19.3**	20.0
1,1,1-Trichloroethane	50	51.3	**103**	50	47.9	**96**	70-130%	ug/L	**6.7**	20.0
2-Butanone	50	55.4	**111**	50	58.0	**116**	70-130%	ug/L	**4.6**	20.0
1,1-Dichloropropene	50	49.0	**98**	50	48.3	**97**	70-130%	ug/L	**1.6**	20.0
Benzene	50	50.9	**102**	50	49.4	**99**	70-130%	ug/L	**2.9**	20.0
Tert-butyl Alcohol	50	54.5	**109**	50	52.6	**105**	70-130%	ug/L	**3.5**	20.0
Tert-amyl Methyl Ether	50	47.8	**96**	50	47.0	**94**	70-130%	ug/L	**1.7**	20.0
1,2-Dichloroethane	50	47.8	**96**	50	47.9	**96**	70-130%	ug/L	**0.3**	20.0
Trichloroethene	50	50.4	**101**	50	48.4	**97**	70-130%	ug/L	**4.0**	20.0
Dibromomethane	50	47.6	**95**	50	47.1	**94**	70-130%	ug/L	**0.9**	20.0
1,2-Dichloropropane	50	48.8	**98**	50	46.8	**94**	70-130%	ug/L	**4.2**	20.0
Bromodichloromethane	50	48.4	**97**	50	47.4	**95**	70-130%	ug/L	**2.0**	20.0
Cis-1,3-dichloropropene	50	60.5	**121**	50	60.7	**121**	70-130%	ug/L	**0.4**	20.0
2-CEVE	50	57.4	**115**	50	53.6	**107**	70-130%	ug/L	**6.9**	20.0
Toluene	50	52.3	**105**	50	48.8	**98**	70-130%	ug/L	**6.8**	20.0
4-Methyl-2-Pentanone	50	51.2	**102**	50	50.7	**101**	70-130%	ug/L	**0.8**	20.0
Tetrachloroethene	50	49.5	**99**	50	47.1	**94**	70-130%	ug/L	**5.1**	20.0
Trans-1,3-Dichloropropene	50	56.8	**114**	50	55.8	**112**	70-130%	ug/L	**1.7**	20.0
1,1,2-Trichloroethane	50	59.5	**119**	50	54.1	**108**	70-130%	ug/L	**9.6**	20.0
Dibromochloromethane	50	62.1	**124**	50	58.0	**116**	70-130%	ug/L	**6.9**	20.0
1,3-Dichloropropane	50	57.4	**115**	50	55.5	**111**	70-130%	ug/L	**3.4**	20.0
1,2-Dibromoethane	50	60.4	**121**	50	59.9	**120**	70-130%	ug/L	**0.8**	20.0
2-Hexanone	50	49.4	**99**	50	45.1	**90**	70-130%	ug/L	**9.1**	20.0
Chlorobenzene	50	49.6	**99**	50	44.9	**90**	70-130%	ug/L	**10.0**	20.0
Ethylbenzene	50	44.4	**89**	50	41.2	**82**	70-130%	ug/L	**7.5**	20.0
m,p-Xylene	100	89.3	**89**	100	81.2	**81**	70-130%	ug/L	**9.5**	20.0
1,1,1,2-Tetrachloroethane	50	51.7	**103**	50	46.0	**92**	70-130%	ug/L	**11.6**	20.0
o-Xylene	50	51.9	**104**	50	47.9	**96**	70-130%	ug/L	**8.0**	20.0
Styrene	50	56.7	**113**	50	54.3	**109**	70-130%	ug/L	**4.3**	20.0
Bromoform	50	54.7	**109**	50	51.7	**103**	70-130%	ug/L	**5.6**	20.0
Isopropylbenzene	50	55.5	**111**	50	51.2	**102**	70-130%	ug/L	**8.2**	20.0
Bromobenzene	50	56.6	**113**	50	55.5	**111**	70-130%	ug/L	**2.0**	20.0
n-Propylbenzene	50	46.2	**92**	50	42.5	**85**	70-130%	ug/L	**8.2**	20.0
1,1,2,2-Tetrachloroethene	50	51.7	**103**	50	45.8	**92**	70-130%	ug/L	**12.1**	20.0
2-Chlorotoluene	50	44.0	**88**	50	40.3	**81**	70-130%	ug/L	**8.8**	20.0
1,2,3-Trichloropropane	50	50.1	**100**	50	48.8	**98**	70-130%	ug/L	**2.5**	20.0
1,3,5-Trimethylbenzene	50	41.3	**83**	50	38.7	**77**	70-130%	ug/L	**6.4**	20.0
4-Chlorotoluene	50	43.8	**88**	50	40.7	**81**	70-130%	ug/L	**7.3**	20.0
Tert-butylbenzene	50	47.3	**95**	50	44.6	**89**	70-130%	ug/L	**5.9**	20.0
1,2,4-Trimethylbenzene	50	41.7	**83**	50	38.6	**77**	70-130%	ug/L	**7.7**	20.0
Sec-butylbenzene	50	40.9	**82**	50	37.3	**75**	70-130%	ug/L	**9.2**	20.0
p-Isopropyltoluene	50	40.1	**80**	50	37.3	**75**	70-130%	ug/L	**7.3**	20.0
1,3-Dichlorobenzene	50	42.6	**85**	50	39.2	**78**	70-130%	ug/L	**8.3**	20.0
1,4-Dichlorobenzene	50	47.4	**95**	50	46.7	**93**	70-130%	ug/L	**1.6**	20.0
n-Butyl Bezene	50	55.2	**110**	50	52.1	**104**	70-130%	ug/L	**5.7**	20.0
1,2-Dichlorbenzene	50	44.5	**89**	50	44.7	**89**	70-130%	ug/L	**0.4**	20.0
1,2-Dibromo-3-chloropr...	50	47.7	**95**	50	51.0	**102**	70-130%	ug/L	**6.6**	20.0
Hexachlorobutadiene	50	47.1	**94**	50	45.4	**91**	70-130%	ug/L	**3.6**	20.0
1,2,4-Trichlorobenzene	50	44.1	**88**	50	43.2	**86**	70-130%	ug/L	**1.9**	20.0
Naphthalene	50	53.3	**107**	50	58.4	**116.82**	70-130%	ug/L	**9.1**	20
1,2,3-Trichlorobenzene	50	49.8	**100**	50	52.2	**104.46**	70-130%	ug/L	**4.8**	20

Volatile Organics LCS and LCSD Duplicate Results

LCS092010

Compound	LCS True Value	LCS Result	Recovery, %	LCSD True Value	LCSD Result	Recovery, %	Recovery QC Limits	Units	RPD, %	RPD Limits
Dichlorodifluoromethane	50	50.3	**101**	50	45.8	**92**	70-130%	ug/L	**9.3**	20.0
Chloromethane	50	52.0	**104**	50	45.9	**92**	70-130%	ug/L	**12.4**	20.0
Vinyl Chloride	50	51.4	**103**	50	46.4	**93**	70-130%	ug/L	**10.2**	20.0
Bromomethane	50	47.3	**95**	50	40.2	**80**	70-130%	ug/L	**16.2**	20.0
Chloroethane	50	40.9	**82**	50	41.2	**82**	70-130%	ug/L	**0.9**	20.0
Trichlorofluoromethane	50	57.1	**114**	50	51.4	**103**	70-130%	ug/L	**10.6**	20.0
Diethyl Ether	50	47.8	**96**	50	46.1	**92**	70-130%	ug/L	**4**	20.0
1,1-Dichloroethene	50	51.4	**103**	50	47.1	**94**	70-130%	ug/L	**8.8**	20.0
Carbon Disulfide	50	49.3	**99**	50	45.1	**90**	70-130%	ug/L	**8.9**	20.0
Methylene Chloride	50	49.8	**100**	50	47.9	**96**	70-130%	ug/L	**4.0**	20.0
Acetone	50	64.5	**129**	50	64.8	**130**	70-130%	ug/L	**0.5**	20.0
Trans-1,2-dichloroethene	50	52.1	**104**	50	50.4	**101**	70-130%	ug/L	**3.2**	20.0
Tert-butyl Methyl Ether	50	54.1	**108**	50	53.2	**106**	70-130%	ug/L	**1.7**	20.0
Diisopropyl Ether	50	50.3	**101**	50	47.0	**94**	70-130%	ug/L	**6.8**	20.0
1,1-Dichloroethane	50	50.2	**100**	50	47.2	**94**	70-130%	ug/L	**6.2**	20.0
Ethyl Tery-butyl Ether	50	52.2	**104**	50	49.3	**99**	70-130%	ug/L	**5.8**	20.0
Cis-1,2-dichloroethene	50	51.7	**103**	50	48.6	**97**	70-130%	ug/L	**6.2**	20.0
2,2-Dichloropropane	50	54.4	**109**	50	49.7	**99**	70-130%	ug/L	**9.1**	20.0
Bromochloromethane	50	53.3	**107**	50	51.0	**102**	70-130%	ug/L	**4.4**	20.0
Chloroform	50	51.6	**103**	50	48.2	**96**	70-130%	ug/L	**6.9**	20.0
Carbon Tetrachloride	50	49.1	**98**	50	45.1	**90**	70-130%	ug/L	**8.6**	20.0
Tetrahydrofuran	50	48.5	**97**	50	47.8	**96**	70-130%	ug/L	**1.6**	20.0
1,1,1-Trichloroethane	50	52.4	**105**	50	47.9	**96**	70-130%	ug/L	**9.0**	20.0
2-Butanone	50	61.3	**123**	50	60.5	**121**	70-130%	ug/L	**1.3**	20.0
1,1-Dichloropropene	50	51.7	**103**	50	47.5	**95**	70-130%	ug/L	**8.6**	20.0
Benzene	50	50.5	**101**	50	47.3	**95**	70-130%	ug/L	**6.6**	20.0
Tert-butyl Alcohol	50	40.9	**82**	50	48.8	**98**	70-130%	ug/L	**17.4**	20.0
Tert-amyl Methyl Ether	50	48.4	**97**	50	46.6	**93**	70-130%	ug/L	**3.9**	20.0
1,2-Dichloroethane	50	49.1	**98**	50	48.7	**97**	70-130%	ug/L	**0.8**	20.0
Trichloroethene	50	51.1	**102**	50	46.9	**94**	70-130%	ug/L	**8.6**	20.0
Dibromomethane	50	50.3	**101**	50	49.3	**99**	70-130%	ug/L	**2.1**	20.0
1,2-Dichloropropane	50	49.7	**99**	50	47.2	**94**	70-130%	ug/L	**5.1**	20.0
Bromodichloromethane	50	49.3	**99**	50	47.6	**95**	70-130%	ug/L	**3.5**	20.0
Cis-1,3-dichloropropene	50	45.4	**91**	50	42.7	**85**	70-130%	ug/L	**6.1**	20.0
2-CEVE	50	45.0	**90**	50	39.9	**80**	70-130%	ug/L	**12.1**	20.0
Toluene	50	50.1	**100**	50	45.9	**92**	70-130%	ug/L	**8.6**	20.0
4-Methyl-2-Pentanone	50	48.1	**96**	50	46.0	**92**	70-130%	ug/L	**4.5**	20.0
Tetrachloroethene	50	53.1	**106**	50	49.3	**99**	70-130%	ug/L	**7.5**	20.0
Trans-1,3-Dichloropropene	50	51.2	**102**	50	49.1	**98**	70-130%	ug/L	**4.3**	20.0
1,1,2-Trichloroethane	50	44.6	**89**	50	43.2	**86**	70-130%	ug/L	**3.2**	20.0
Dibromochloromethane	50	51.4	**103**	50	48.9	**98**	70-130%	ug/L	**4.9**	20.0
1,3-Dichloropropane	50	45.2	**90**	50	43.2	**86**	70-130%	ug/L	**4.4**	20.0
1,2-Dibromoethane	50	53.4	**107**	50	51.0	**102**	70-130%	ug/L	**4.6**	20.0
2-Hexanone	50	40.2	**80**	50	44.8	**90**	70-130%	ug/L	**10.9**	20.0
Chlorobenzene	50	49.5	**99**	50	47.7	**95**	70-130%	ug/L	**3.7**	20.0
Ethylbenzene	50	48.7	**97**	50	45.4	**91**	70-130%	ug/L	**7.0**	20.0
m,p-Xylene	100	99.5	**100**	100	94.9	**95**	70-130%	ug/L	**4.8**	20.0
1,1,1,2-Tetrachloroethane	50	45.0	**90**	50	43.8	**88**	70-130%	ug/L	**2.7**	20.0
o-Xylene	50	49.6	**99**	50	48.0	**96**	70-130%	ug/L	**3.3**	20.0
Styrene	50	53.7	**107**	50	52.4	**105**	70-130%	ug/L	**2.5**	20.0
Bromoform	50	51.6	**103**	50	51.0	**102**	70-130%	ug/L	**1.1**	20.0
Isopropylbenzene	50	50.3	**101**	50	46.3	**93**	70-130%	ug/L	**8.4**	20.0
Bromobenzene	50	50.2	**100**	50	48.3	**97**	70-130%	ug/L	**3.8**	20.0
n-Propylbenzene	50	46.5	**93**	50	44.5	**89**	70-130%	ug/L	**4.3**	20.0
1,1,2,2-Tetrachloroethene	50	49.4	**99**	50	48.8	**98**	70-130%	ug/L	**1.3**	20.0
2-Chlorotoluene	50	43.7	**87**	50	41.8	**84**	70-130%	ug/L	**4.5**	20.0
1,2,3-Trichloropropane	50	48.7	**97**	50	49.5	**99**	70-130%	ug/L	**1.7**	20.0
1,3,5-Trimethylbenzene	50	42.0	**84**	50	41.1	**82**	70-130%	ug/L	**2.1**	20.0
4-Chlorotoluene	50	44.6	**89**	50	43.4	**87**	70-130%	ug/L	**2.9**	20.0
Tert-butylbenzene	50	42.8	**86**	50	40.7	**81**	70-130%	ug/L	**5.0**	20.0
1,2,4-Trimethylbenzene	50	42.8	**86**	50	40.4	**81**	70-130%	ug/L	**5.9**	20.0
Sec-butylbenzene	50	45.3	**91**	50	42.3	**85**	70-130%	ug/L	**6.9**	20.0
p-Isopropyltoluene	50	40.9	**82**	50	39.3	**79**	70-130%	ug/L	**4.0**	20.0
1,3-Dichlorobenzene	50	39.3	**79**	50	38.6	**77**	70-130%	ug/L	**1.7**	20.0
1,4-Dichlorobenzene	50	46.6	**93**	50	45.4	**91**	70-130%	ug/L	**2.7**	20.0
n-Butyl Bezene	50	52.7	**105**	50	49.9	**100**	70-130%	ug/L	**5.5**	20.0
1,2-Dichlorbenzene	50	48.8	**98**	50	47.5	**95**	70-130%	ug/L	**2.7**	20.0
1,2-Dibromo-3-chloropr...	50	60.9	**122**	50	63.2	**126**	70-130%	ug/L	**3.7**	20.0
Hexachlorobutadiene	50	48.3	**97**	50	45.7	**91**	70-130%	ug/L	**5.4**	20.0
1,2,4-Trichlorobenzene	50	43.4	**87**	50	43.1	**86**	70-130%	ug/L	**0.6**	20.0
Naphthalene	50	60.8	**122**	50	62.1	**124.18**	70-130%	ug/L	**2.0**	20
1,2,3-Trichlorobenzene	50	51.1	**102**	50	51.1	**102.12**	70-130%	ug/L	**0.1**	20

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10914-37A

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494
Phone: (781) 449-1566
Fax: (888) 291-8355

Turn Around Time: Normal
Due Date: 9/29/10

Project Name:	COC#	Comments:
2 KANSAS Street	2545	
	PO# 3477	
Collected By: K.D.		

Sample ID	Collection (Date/Time)	Matrix	Preservative	# of Contrs	8260 (VOC)	5035 high/low	524.2 (VOC)	8270b (PAH's)	8270 (SVOC)	VPH (TPH)	EPH (TPH)	RCRA 8 (Metal)	8080 (PCB)				Asb. by PLM
KNOLL-25	9-13	H2O	HCL	1							X						
KNOLL-26	9-13	"	"	1							X						
KNOLL-29-20'	9-13	"	"	2	X												
KNOLL-29-45'	9-13	"	"	2	X												
KNOLL-30-20'	9-13	"	"	2	X												
KNOLL-30-45	9-13	"	"	2	X												

Relinquished By:	Date/Time	Relinquished By:	Date/Time	Relinquished By:	Date/Time
[signature]	9/14/10		11:30		

Received By:	Date/Time	Received By:	Date/Time	Received By:	Date/Time
[signature]	9/14/10 11:30	Capital Courier	9/14/10	4:15pm	4°C

Notes: GW=Ground Water S=Sediments/Soil WW=Waste Water

(2) 9/14/10 4:14

g:\knoll\formats\COC.XLS

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number S0104-02

Prepared for:

Attn: Kevin Doherty
Knoll Environmental
69 Wexford St.
Needham, MA 02194

Report Date: January 11, 2007

Lab # RI010

Electronic Copy

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: New England Testing Laboratory, Inc. Project #: 2432

Project Location: Kansas Street RTN[1]:

This form provides certifications for the following data set: S0104-02

Sample Matrices: Groundwater (X) Soil/Sediment ( ) Drinking Water ( ) Other:

SW-846 Methods Used					
	8260B (X)	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
	8270C (X)	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )
	8082 (X)	8021B ( )	EPH (X)	7000 S[3] ( )	Other: ( )

1 List Release Tracking Number (RTN), if known
2 M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S – SW-846 Methods 7000 Series List individual method and analyte

An affirmative response to questions A, B, and C is required for "Presumptive Certainty" status

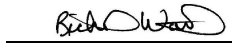
A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of Custody documentation for the data set?	Yes (X) No[1] ( )
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (X) No[1] ( )
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	Yes (X) No[1] ( ) Not Applicable ( )
D	***VPH and EPH Methods only***: Was the VPH and EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)	Yes ( ) No[1] ( )

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all QC performance standards and recommendations for the specified methods achieved?	Yes (X) No[1] ( )
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes (X) No[1] ( )

[1]All NO answers must be addressed in an attached Environmental Laboratory case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:  Position: Laboratory Director

Printed Name: Richard Warila Date: 1/11/2007

ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: New England Testing Laboratory, Inc. Project #: 2432

Project Location: Kansas Street RTN[1]:

This form provides certifications for the following data set: S0104-02

Sample Matrices: Groundwater (X) Soil/Sediment ( ) Drinking Water ( ) Other:

SW-846 Methods Used					
	8260B ( )	8151A ( )	8330 ( )	6010B (X)	7470A/1A (X)
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )
	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	Other: ( )

1 List Release Tracking Number (RTN), if known
2 M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S – SW-846 Methods 7000 Series List individual method and analyte

An affirmative response to questions A, B, and C is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of Custody documentation for the data set?	Yes (X) No[1] ( )
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (X) No[1] ( )
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	Yes (X) No[1] ( ) Not Applicable ( )
D	***VPH and EPH Methods only***: Was the VPH and EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)	Yes ( ) No[1] ( )

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all QC performance standards and recommendations for the specified methods achieved?	Yes (X) No[1] ( )
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes (X) No[1] ( )

[1]All NO answers must be addressed in an attached Environmental Laboratory case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Jodi Lyons Position: Director, Inorganics

Printed Name: Jodi Lyons Date: 1/10/2007

STATEMENTS/CERTIFICATIONS REQUIRED BY THE NATIONAL ENVIRONMENTAL LABORATORY APPROVAL CONFERENCE (NELAC)

New England Testing Laboratory is certified under the National Environmental Laboratory Approval Program (NELAP). This certification requires the following statements and certifications be included in our report.

This report shall not be reproduced, except in full, without written approval of the laboratory.

New England Testing certifies that the test results contained within this report meet all NELAC requirements except as detailed in the Case Narrative section of this report.

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on January 4, 2007. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. The case number for this sample submission is S0104-02.

Custody records are included in this report.

Site: Kansas Street
COC# 2432

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
Knoll-21	1/2/07	Water	Table II
Knoll-22	1/2/07	Water	Table II
Knoll-23	1/2/07	Water	Table III
Knoll-24	1/2/07	Water	Table III
Knoll-25	1/2/07	Water	Table III
Knoll-15	1/2/07	Water	Table IV
MW-6A	1/2/07	Water	Table IV
MW-6A MS	1/2/07	Water	Table IV
MW-6A MSD	1/2/07	Water	Table IV
MW-2A	1/2/07	Water	Table V
Knoll-8	1/2/07	Water	PCBs Only

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
EPH	NA	*

TABLE III, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Volatile Organic Compounds	5030B	8260B

TABLE IV, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Dissolved Metals		
Arsenic	NA	6010B
Barium	NA	6010B
Cadmium	NA	6010B
Chromium	NA	6010B
Lead	NA	6010B
Mercury	NA	7470A
Selenium	NA	6010B
Silver	NA	6010B

TABLE V, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Semivolatile Organics	3510C	8270C
PCBs	3510C	8082

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.

*Method for the Determination of Extractable Petroleum Hydrocarbons (EPH), MADEP.

CASE NARRATIVE:

Sample Receipt:

Ms/msd/duplicate analysis was supplied for the metals analysis. No trip blank was supplied unless it was identified in such a manner as to be un-interpretable by the laboratory. No field blank was supplied unless it was identified in such a manner as to be un-interpretable by the laboratory. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits.)

The samples were all appropriately cooled and preserved upon receipt.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

Metals:

All analyses were performed according to NETLAB's documented Standard Operating Procedures, within all required holding times, and with appropriate quality control measures. All QC was within laboratory established acceptance criteria. The samples were received, processed, and reported with no anomalies.

Volatile Organics:

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Semivolatile Organics:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

PCBs:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

EPH:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Sample Results

METALS RESULTS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Metals Analysis Department certifies that the results included in this section have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

New England Testing Laboratory, Inc.

METALS RESULTS

Case Number: S0104-02
Sample ID: Knoll-15
Date collected: 01/02/07
Matrix WATER
Sample Type: Dissolved

Analyst AR/JV

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date Analyzed
Arsenic	7440-38-2	NA	6010B	ND	0.01	0.01	mg/l	1/5/07
Barium	7440-39-3	NA	6010B	0.038	0.005	0.005	mg/l	1/5/07
Cadmium	7440-43-9	NA	6010B	ND	0.004	0.004	mg/l	1/5/07
Chromium	7440-47-3	NA	6010B	ND	0.005	0.005	mg/l	1/5/07
Lead	7439-92-1	NA	6010B	ND	0.005	0.005	mg/l	1/5/07
Mercury	7439-97-6	NA	7470A	ND	0.0002	0.0002	mg/l	1/5/07
Selenium	7782-49-2	NA	6010B	0.04	0.01	0.01	mg/l	1/5/07
Silver	7440-22-4	NA	6010B	ND	0.005	0.005	mg/l	1/5/07

ND indicates not Detected

METALS RESULTS

Case Number: S0104-02
Sample ID: Knoll-6A
Date collected: 01/02/07
Matrix WATER
Sample Type: Dissolved

Analyst AR/JV

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date Analyzed
Arsenic	7440-38-2	NA	6010B	ND	0.01	0.01	mg/l	1/5/07
Barium	7440-39-3	NA	6010B	0.025	0.005	0.005	mg/l	1/5/07
Cadmium	7440-43-9	NA	6010B	ND	0.004	0.004	mg/l	1/5/07
Chromium	7440-47-3	NA	6010B	ND	0.005	0.005	mg/l	1/5/07
Lead	7439-92-1	NA	6010B	0.008	0.005	0.005	mg/l	1/5/07
Mercury	7439-97-6	NA	7470A	ND	0.0002	0.0002	mg/l	1/5/07
Selenium	7782-49-2	NA	6010B	0.02	0.01	0.01	mg/l	1/5/07
Silver	7440-22-4	NA	6010B	ND	0.005	0.005	mg/l	1/5/07

ND indicates not Detected

LABORATORY CONTROL SAMPLE RECOVERY

Parameter	True Value	Result	Units	Recovery, %	Internal LCL, %	Internal UCL, %	Date Analyzed
Arsenic	1.00	0.91	mg/l	91	83	103	1/5/07
Barium	1.00	0.98	mg/l	98	92	112	1/5/07
Cadmium	1.00	0.93	mg/l	93	90	108	1/5/07
Chromium	1.00	1.04	mg/l	104	83	109	1/5/07
Lead	1.00	0.98	mg/l	98	84	113	1/5/07
Mercury	0.001	0.001	mg/l	99	84	118	1/5/07
Selenium	1.00	0.92	mg/l	92	86	104	1/5/07
Silver	1.00	0.96	mg/l	96	78	111	1/5/07

MATRIX SPIKE RESULTS

Sample: S0104-02 Knoll-6A

Parameter	Sample Value	MS Fortification	MS Spike Result	Recovery, %	MSD Fortification	MSD Spike Result	Recovery, %	Units	RPD, %	Limit
Arsenic	0	1.00	0.93	93	1.00	0.90	90	mg/l	2.30	**20**
Barium	0.025	1.00	0.97	94	1.00	0.96	94	mg/l	0.53	**20**
Cadmium	0	1.00	0.92	92	1.00	0.92	92	mg/l	0.22	**20**
Chromium	0	1.00	1.00	100	1.00	1.00	100	mg/l	0.00	**20**
Lead	0.008	1.00	0.94	93	1.00	0.94	93	mg/l	0.43	**20**
Mercury	0	0.002	0.002	89	0.002	0.002	96	mg/l	7.05	**20**
Selenium	0.017	1.00	1.00	98	1.00	0.99	97	mg/l	0.82	**20**
Silver	0	1.00	0.93	93	1.00	0.95	95	mg/l	2.13	**20**

Note: A spike recovery is not reported when the original sample concentration is significantly above the fortification amount.

Comments:

RESULTS: PCBs

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

Sample:MW-2A		Analyst's Initials: DC
Case No. S0104-02		
Date Collected: 1/2/07		
Sample Matrix: Water		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3510C	1/8/07	1/8/07
Analytical Method: EPA 8082		
Compound	Concentration ug/l (ppb)	Reporting Limit
Aroclor-1221	N.D.	0.2
Aroclor-1232	N.D.	0.2
Aroclor-1016/1242	N.D.	0.2
Aroclor -1248	N.D.	0.2
Aroclor -1254	N.D.	0.2
Aroclor -1260	N.D.	0.2
Aroclor -1262	N.D.	0.2
Aroclor -1268	N.D.	0.2
Surrogates:		
Compound	% Recovery	Limits
TCMX	65	42-126
DCBP	90	41-142

Sample: Knoll-8		Analyst's Initials: DC
Case No. S0104-02		
Date Collected: 1/2/07		
Sample Matrix: Water		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3510C	1/8/07	1/8/07
Analytical Method: EPA 8082		
Compound	Concentration ug/l (ppb)	Reporting Limit
Aroclor-1221	N.D.	0.2
Aroclor-1232	N.D.	0.2
Aroclor-1016/1242	N.D.	0.2
Aroclor -1248	N.D.	0.2
Aroclor -1254	N.D.	0.2
Aroclor -1260	N.D.	0.2
Aroclor -1262	N.D.	0.2
Aroclor -1268	N.D.	0.2
Surrogates:		
Compound	% Recovery	Limits
TCMX	73	42-126
DCBP	90	41-142

Sample: Method Blank		Analyst's Initials: DC
Case No. S0104-02		
Date Collected: NA		
Sample Matrix: Water		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3510C	1/8/07	1/8/07
Analytical Method: EPA 8082		
Compound	Concentration ug/l (ppb)	Reporting Limit
Aroclor-1221	N.D.	0.2
Aroclor-1232	N.D.	0.2
Aroclor-1016/1242	N.D.	0.2
Aroclor -1248	N.D.	0.2
Aroclor -1254	N.D.	0.2
Aroclor -1260	N.D.	0.2
Aroclor -1262	N.D.	0.2
Aroclor -1268	N.D.	0.2
Surrogates:		
Compound	% Recovery	Limits
TCMX	63	42-126
DCBP	88	41-142

PCB Laboratory Control Spike

Sample Matrix: Soil			Analyst:	DC
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3541	1/8/07			1/8/07
Analytical Method: EPA 8082				
Compound	Amount Spiked mg/kg	Result mg/kg	Recovery %	Recovery Limits
Aroclor 1254	0.500	0.491	98	40-140
Surrogates:				
Compound	% Recovery	Limits		
TCMX	73	43-125		
DCBP	103	41-127		

RESULTS: VOLATILE ORGANIC COMPOUNDS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: S0104-02
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: Knoll-23
Lab File ID: C010507.D
Date Sampled: 1/2/2007
Date Analyzed: 1/5/2007
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-64-1	Acetone	5.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-15-0	Carbon Disulfide	5.0	U
75-09-2	Methylene Chloride	10	U
1634-04-4	tert-Butyl methyl ether	1.0	U
156-60-5	trans-1,2 Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
594-20-7	2,2-Dichloropropane	1.0	U
156-59-2	cis-1,2-Dichloroethene	4.8	
67-66-3	Chloroform	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	110	
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
106-93-4	Ethylene Dibromide	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-88-3	Toluene	2.0	U
10061-02-6	Trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: S0104-02
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: Knoll-23
Lab File ID: C010507.D
Date Sampled: 1/2/2007
Date Analyzed: 1/5/2007
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-86-1	Bromobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
75-87-3	Chloromethane	1.0	U
75-65-0	tert butyl alcohol	5.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
109-99-9	Tetrahydrofuran	5.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
60-29-7	Diethyl Ether	5.0	U
104-51-8	n-Butylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	2.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: S0104-02
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: Knoll-24
Lab File ID: C010508.D
Date Sampled: 1/2/2007
Date Analyzed: 1/5/2007
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-64-1	Acetone	5.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-15-0	Carbon Disulfide	5.0	U
75-09-2	Methylene Chloride	10	U
1634-04-4	tert-Butyl methyl ether	1.0	U
156-60-5	trans-1,2 Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
594-20-7	2,2-Dichloropropane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
106-93-4	Ethylene Dibromide	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-88-3	Toluene	2.0	U
10061-02-6	Trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: S0104-02
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: Knoll-24
Lab File ID: C010508.D
Date Sampled: 1/2/2007
Date Analyzed: 1/5/2007
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
108-86-1	Bromobenzene	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
75-87-3	Chloromethane	1.0	U
75-65-0	tert butyl alcohol	5.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
109-99-9	Tetrahydrofuran	5.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
104-51-8	n-Butylbenzene	1.0	U
60-29-7	Diethyl Ether	5.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	2.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: S0104-02
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture: _____
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: Knoll-25
Lab File ID: C010509.D
Date Sampled: 1/2/2007
Date Analyzed: 1/5/2007
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
75-01-4	Vinyl Chloride	720	E
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-64-1	Acetone	5.0	U
75-35-4	1,1-Dichloroethene	14	
75-15-0	Carbon Disulfide	5.0	U
75-09-2	Methylene Chloride	10	U
1634-04-4	tert-Butyl methyl ether	1.0	U
156-60-5	trans-1,2 Dichloroethene	120	
75-34-3	1,1-Dichloroethane	4.7	
78-93-3	2-Butanone	5.0	U
594-20-7	2,2-Dichloropropane	1.0	U
156-59-2	cis-1,2-Dichloroethene	5700	E
67-66-3	Chloroform	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.6	
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	3800	E
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
106-93-4	Ethylene Dibromide	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-88-3	Toluene	2.0	U
10061-02-6	Trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	6.7	
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethene	8.1	
124-48-1	Chlorodibromomethane	1.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: S0104-02
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: Knoll-25
Lab File ID: C010509.D
Date Sampled: 1/2/2007
Date Analyzed: 1/5/2007
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-86-1	Bromobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
75-87-3	Chloromethane	1.0	U
75-65-0	tert butyl alcohol	5.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
109-99-9	Tetrahydrofuran	5.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
60-29-7	Diethyl Ether	5.0	U
104-51-8	n-Butylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	2.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: S0104-02
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: Knoll-25.dl
Lab File ID: C010511.D
Date Sampled: 1/2/2007
Date Analyzed: 1/5/2007
Dilution Factor: 50.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
75-01-4	Vinyl Chloride	600	D
74-83-9	Bromomethane	50	U
75-00-3	Chloroethane	50	U
67-64-1	Acetone	250	U
75-35-4	1,1-Dichloroethene	50	U
75-15-0	Carbon Disulfide	250	U
75-09-2	Methylene Chloride	500	U
1634-04-4	tert-Butyl methyl ether	50	U
156-60-5	trans-1,2 Dichloroethene	94	D
75-34-3	1,1-Dichloroethane	50	U
78-93-3	2-Butanone	250	U
594-20-7	2,2-Dichloropropane	50	U
156-59-2	cis-1,2-Dichloroethene	9300	D
67-66-3	Chloroform	50	U
74-97-5	Bromochloromethane	50	U
71-55-6	1,1,1-Trichloroethane	50	U
563-58-6	1,1-Dichloropropene	50	U
56-23-5	Carbon Tetrachloride	50	U
71-43-2	Benzene	50	U
107-06-2	1,2-Dichloroethane	50	U
79-01-6	Trichloroethene	4400	D
78-87-5	1,2-Dichloropropane	50	U
75-27-4	Bromodichloromethane	50	U
74-95-3	Dibromomethane	50	U
108-10-1	4-Methyl-2-pentanone	250	U
106-93-4	Ethylene Dibromide	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
108-88-3	Toluene	100	U
10061-02-6	Trans-1,3-Dichloropropene	50	U
79-00-5	1,1,2-Trichloroethane	50	U
591-78-6	2-Hexanone	250	U
127-18-4	Tetrachloroethene	50	U
124-48-1	Chlorodibromomethane	50	U
108-90-7	Chlorobenzene	250	U
630-20-6	1,1,1,2-Tetrachloroethane	50	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: S0104-02
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: Knoll-25.dl
Lab File ID: C010511.D
Date Sampled: 1/2/2007
Date Analyzed: 1/5/2007
Dilution Factor: 50.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
100-41-4	Ethylbenzene	50	U
1330-20-7	m & p-Xylene	100	U
95-47-6	o-Xylene	50	U
100-42-5	Styrene	50	U
75-25-2	Bromoform	50	U
98-82-8	Isopropylbenzene	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
108-86-1	Bromobenzene	50	U
96-18-4	1,2,3-Trichloropropane	50	U
95-49-8	2-Chlorotoluene	50	U
103-65-1	n-Propylbenzene	50	U
108-67-8	1,3,5-Trimethylbenzene	50	U
106-43-4	4-Chlorotoluene	50	U
98-06-6	tert-Butylbenzene	50	U
95-63-6	1,2,4-Trimethylbenzene	50	U
135-98-8	sec-Butylbenzene	50	U
99-87-6	p-Isopropyltoluene	50	U
75-87-3	Chloromethane	50	U
75-65-0	tert butyl alcohol	250	U
541-73-1	1,3-Dichlorobenzene	50	U
109-99-9	Tetrahydrofuran	250	U
106-46-7	1,4-Dichlorobenzene	50	U
60-29-7	Diethyl Ether	250	U
104-51-8	n-Butylbenzene	50	U
95-50-1	1,2-Dichlorobenzene	50	U
96-12-8	1,2-Dibromo-3-chloropropane	100	U
120-82-1	1,2,4-Trichlorobenzene	50	U
87-68-3	Hexachlorobutadiene	50	U
91-20-3	Naphthalene	100	U
87-61-6	1,2,3-Trichlorobenzene	50	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: S0104-02
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture: _____
Soil Extract Volume: _____ (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: VBLK070105
Lab File ID: C010505.D
Date Sampled: 1/2/2007
Date Analyzed: 1/5/2007
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-64-1	Acetone	5.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-15-0	Carbon Disulfide	5.0	U
75-09-2	Methylene Chloride	10	U
1634-04-4	tert-Butyl methyl ether	1.0	U
156-60-5	trans-1,2 Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
594-20-7	2,2-Dichloropropane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
106-93-4	Ethylene Dibromide	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-88-3	Toluene	2.0	U
10061-02-6	Trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
108-90-7	Chlorobenzene	5.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: S0104-02
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials: mgf

Client Name: Knoll Environmental
Lab Sample ID: VBLK070105
Lab File ID: C010505.D
Date Sampled: 1/2/2007
Date Analyzed: 1/5/2007
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
108-86-1	Bromobenzene	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
75-87-3	Chloromethane	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
75-65-0	tert butyl alcohol	5.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
109-99-9	Tetrahydrofuran	5.0	U
60-29-7	Diethyl Ether	5.0	U
104-51-8	n-Butylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	2.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: New England Testing Lab Contract: Kansas Street

Lab Code: RI010 Case No.: S0104-02 SAS No.: _____ SDG No.: Knoll Envir

	EPA SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	TOT OUT
01	VLCS070105	103	93	103	0
02	VBLK070105	96	90	105	0
03	KNOLL-23	94	87	106	0
04	KNOLL-24	96	86	108	0
05	KNOLL-25	98	87	109	0
06	KNOLL-25.DL	95	85	106	0

QC LIMITS

SMC1	=	4-Bromofluorobenzene	(70-130)
SMC2	=	Toluene-D8	(70-130)
SMC3	=	1,2-Dichloroethane-D4	(70-130)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

Volatile Organics Laboratory Control Spike

Date Analyzed: 1/5/07 **Sample ID: VLCS070105**

Compound	Spike Added (ug/L)	Spike Result (ug/L)	Recovery, %	Lower Control Limit, %	Upper Control Limit, %
1,1-Dichloroethene	50	59	118	70	130
Benzene	50	56	113	70	130
Trichloroethene	50	51	103	70	130
Toluene	50	53	106	70	130
Chlorobenzene	50	48	95	70	130

RESULTS: SEMIVOLATILE ORGANIC COMPOUNDS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: S0104-02
Client Name: Knoll Environmental
Method: 8270
Lab Sample ID: MW-2A
Matrix: (soil/water/air) WATER
Lab File ID: B011105.D
Sample wt/vol: 1000 (g/ml) ML
Date Sampled: 1/2/2007
Level: (low/med) LOW
Date Extracted: 1/5/2007
% Moisture:
Date Analyzed: 1/11/2007
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/L	Q
62-75-9	n-Nitrosodimethylamine	3.0	U
110-86-1	Pyridine	2.0	U
108-95-2	Phenol	2.0	U
62-53-3	Aniline	2.0	U
111-44-4	bis(2-Chloroethyl)ether	1.0	U
95-57-8	2-Chlorophenol	2.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
95-48-7	2-Methylphenol	2.0	U
108-60-1	bis(2-chloroisopropyl)ether	1.0	U
106-44-5	3- & 4-Methylphenol	2.0	U
621-64-7	n-Nitroso-di-n-propylamine	1.0	U
67-72-1	Hexachloroethane	1.0	U
98-95-3	Nitrobenzene	1.0	U
78-59-1	Isophorone	1.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	15	U
111-91-1	bis(2-Chloroethoxy)methane	1.0	U
120-83-2	2,4-Dichlorophenol	2.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
91-20-3	Naphthalene	1.0	U
106-47-8	4-Chloroaniline	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	1.0	U
77-47-4	Hexachlorocyclopentadiene	1.0	U
88-06-2	2,4,6-Trichlorophenol	2.0	U
95-95-4	2,4,5-Trichlorophenol	2.0	U
91-58-7	2-Chloronaphthalene	1.0	U
88-74-4	2-Nitroaniline	1.0	U
131-11-3	Dimethyl phthalate	1.0	U
208-96-8	Acenaphthylene	1.0	U
606-20-2	2,6-Dinitrotoluene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: S0104-02
Client Name: Knoll Environmental
Method: 8270
Lab Sample ID: MW-2A
Matrix: (soil/water/air) WATER
Lab File ID: B011105.D
Sample wt/vol: 1000 (g/ml) ML
Date Sampled: 1/2/2007
Level: (low/med) LOW
Date Extracted: 1/5/2007
% Moisture:
Date Analyzed: 1/11/2007
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/L	Q
99-09-2	3-Nitroaniline	1.0	U
83-32-9	Acenaphthene	1.0	U
51-28-5	2,4-Dinitrophenol	5.0	U
100-02-7	4-Nitrophenol	5.0	U
132-64-9	Dibenzofuran	1.0	U
121-14-2	2,4-Dinitrotoluene	1.0	U
84-66-2	Diethyl phthalate	1.0	U
86-73-7	Fluorene	1.0	U
7005-72-3	4-Chlorophenyl phenyl ether	1.0	U
100-01-6	4-Nitroaniline	1.0	U
534-52-1	4,6-Dinitro-2-methylphenol	5.0	U
86-30-6	n-Nitrosodiphenylamine	1.0	U
101-55-3	4-Bromophenyl phenyl ether	1.0	U
118-74-1	Hexachlorobenzene	1.0	U
87-86-5	Pentachlorophenol	5.0	U
85-01-8	Phenanthrene	1.0	U
120-12-7	Anthracene	1.0	U
84-74-2	Di-n-butylphthalate	3.0	U
206-44-0	Fluoranthene	1.0	U
92-87-5	Benzidine	60	U
129-00-0	Pyrene	1.0	U
85-68-7	Butyl benzyl phthalate	1.0	U
91-94-1	3,3'-Dichlorobenzidine	1.0	U
56-55-3	Benzo(a)anthracene	1.0	U
218-01-9	Chrysene	1.0	U
117-81-7	bis(2-Ethylhexyl)phthalate	3.0	U
117-84-0	Di-n-octyl phthalate	3.0	U
205-99-2	Benzo(b)fluoranthene	1.0	U
207-08-9	Benzo(k)fluoranthene	1.0	U
50-32-8	Benzo(a)pyrene	1.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	U
53-70-3	Dibenz(a,h)anthracene	1.0	U
191-24-2	Benzo(g,h,i)perylene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: S0104-02
Client Name: Knoll Environmental
Method: 8270
Lab Sample ID: SBLK070105
Matrix: (soil/water/air) WATER
Lab File ID: B011103.D
Sample wt/vol: 1000 (g/ml) ML
Date Sampled: 1/2/2007
Level: (low/med) LOW
Date Extracted: 1/5/2007
% Moisture:
Date Analyzed: 1/11/2007
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/L	Q
62-75-9	n-Nitrosodimethylamine	3.0	U
110-86-1	Pyridine	2.0	U
108-95-2	Phenol	2.0	U
62-53-3	Aniline	2.0	U
111-44-4	bis(2-Chloroethyl)ether	1.0	U
95-57-8	2-Chlorophenol	2.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
95-48-7	2-Methylphenol	2.0	U
108-60-1	bis(2-chloroisopropyl)ether	1.0	U
106-44-5	3- & 4-Methylphenol	2.0	U
621-64-7	n-Nitroso-di-n-propylamine	1.0	U
67-72-1	Hexachloroethane	1.0	U
98-95-3	Nitrobenzene	1.0	U
78-59-1	Isophorone	1.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	15	U
111-91-1	bis(2-Chloroethoxy)methane	1.0	U
120-83-2	2,4-Dichlorophenol	2.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
91-20-3	Naphthalene	1.0	U
106-47-8	4-Chloroaniline	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	1.0	U
77-47-4	Hexachlorocyclopentadiene	1.0	U
88-06-2	2,4,6-Trichlorophenol	2.0	U
95-95-4	2,4,5-Trichlorophenol	2.0	U
91-58-7	2-Chloronaphthalene	1.0	U
88-74-4	2-Nitroaniline	1.0	U
131-11-3	Dimethyl phthalate	1.0	U
208-96-8	Acenaphthylene	1.0	U
606-20-2	2,6-Dinitrotoluene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: S0104-02
Client Name: Knoll Environmental
Method: 8270
Lab Sample ID: SBLK070105
Matrix: (soil/water/air) WATER
Lab File ID: B011103.D
Sample wt/vol: 1000 (g/ml) ML
Date Sampled: 1/2/2007
Level: (low/med) LOW
Date Extracted: 1/5/2007
% Moisture:
Date Analyzed: 1/11/2007
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/L	Q
99-09-2	3-Nitroaniline	1.0	U
83-32-9	Acenaphthene	1.0	U
51-28-5	2,4-Dinitrophenol	5.0	U
100-02-7	4-Nitrophenol	5.0	U
132-64-9	Dibenzofuran	1.0	U
121-14-2	2,4-Dinitrotoluene	1.0	U
84-66-2	Diethyl phthalate	1.0	U
86-73-7	Fluorene	1.0	U
7005-72-3	4-Chlorophenyl phenyl ether	1.0	U
100-01-6	4-Nitroaniline	1.0	U
534-52-1	4,6-Dinitro-2-methylphenol	5.0	U
86-30-6	n-Nitrosodiphenylamine	1.0	U
101-55-3	4-Bromophenyl phenyl ether	1.0	U
118-74-1	Hexachlorobenzene	1.0	U
87-86-5	Pentachlorophenol	5.0	U
85-01-8	Phenanthrene	1.0	U
120-12-7	Anthracene	1.0	U
84-74-2	Di-n-butylphthalate	3.0	U
206-44-0	Fluoranthene	1.0	U
92-87-5	Benzidine	60	U
129-00-0	Pyrene	1.0	U
85-68-7	Butyl benzyl phthalate	1.0	U
91-94-1	3,3'-Dichlorobenzidine	1.0	U
56-55-3	Benzo(a)anthracene	1.0	U
218-01-9	Chrysene	1.0	U
117-81-7	bis(2-Ethylhexyl)phthalate	3.0	U
117-84-0	Di-n-octyl phthalate	3.0	U
205-99-2	Benzo(b)fluoranthene	1.0	U
207-08-9	Benzo(k)fluoranthene	1.0	U
50-32-8	Benzo(a)pyrene	1.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	U
53-70-3	Dibenz(a,h)anthracene	1.0	U
191-24-2	Benzo(g,h,i)perylene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

2C

WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: New England Testing Lab Case No.: S0104-02

Lab Code: RI010 Client Name: Knoll Environmental

	Sample ID	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
01	SBLK070105	36	25	54	69	86	57	0
02	SLCS070105	39	28	62	78	106	61	0
03	MW-2A	43	31	60	78	110	64	0

QC LIMITS

S1	=	2-Fluorophenol	(15-115)
S2	=	Phenol-d6	(15-115)
S3	=	Nitrobenzene-d5	(30-130)
S4	=	2-Fluorobiphenyl	(30-130)
S5	=	2,4,6-Tribromophenol	(15-115)
S6	=	Terphenyl-d14	(30-130)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

Semivolatile Water Laboratory Control Spike

Date Extracted: 1/5/2007
Date Analyzed: 1/11/2007

	Amount Spiked ug/L	Result, ug/L	Recovery %	Recovery Limits
n-Nitrosodimethylamine	50.0	20.3	41	40-140
Phenol	50.0	13.0	26*	30-130
Aniline	50.0	36.4	73	40-140
bis(2-Chloroethyl)ether	50.0	31.6	63	40-140
2-Chlorophenol	50.0	29.9	60	30-130
1,3-Dichlorobenzene	50.0	30.5	61	40-140
1,4-Dichlorobenzene	50.0	31.1	62	40-140
Benzyl alcohol	50.0	31.2	62	40-140
1,2-Dichlorobenzene	50.0	31.8	64	40-140
2-Methylphenol	50.0	31.1	62	30-130
bis(2-chloroisopropyl)ether	50.0	35.0	70	40-140
3- & 4-Methylphenol	50.0	28.0	56	30-130
n-Nitroso-di-n-propylamine	50.0	37.1	74	40-140
Hexachloroethane	50.0	31.3	63	40-140
Nitrobenzene	50.0	32.4	65	40-140
Isophorone	50.0	36.8	74	40-140
2-Nitrophenol	50.0	30.4	61	30-130
2,4-Dimethylphenol	50.0	38.0	76	30-130
bis(2-Chloroethoxy)methane	50.0	36.6	73	40-140
2,4-Dichlorophenol	50.0	32.5	65	30-130
1,2,4-Trichlorobenzene	50.0	31.4	63	40-140
Naphthalene	50.0	40.0	80	40-140
4-Chloroaniline	50.0	40.4	81	40-140
Hexachlorobutadiene	50.0	33.2	66	40-140
4-Chloro-3-methylphenol	50.0	35.7	71	30-130
2-Methylnaphthalene	50.0	35.2	70	40-140
Hexachlorocyclopentadiene	50.0	27.7	55	40-140
2,4,6-Trichlorophenol	50.0	38.0	76	30-130
2,4,5-Trichlorophenol	50.0	41.9	84	30-130
2-Chloronaphthalene	50.0	39.7	79	40-140
2-Nitroaniline	50.0	44.0	88	40-140
Dimethyl phthalate	50.0	42.6	85	40-140
Acenaphthylene	50.0	42.0	84	40-140
2,6-Dinitrotoluene	50.0	45.9	92	40-140
3-Nitroaniline	50.0	69.9	140	40-140
Acenaphthene	50.0	41.9	84	40-140
Dibenzofuran	50.0	42.7	85	40-140
2,4-Dinitrotoluene	50.0	45.6	91	40-140
Diethyl phthalate	50.0	45.7	91	40-140
Fluorene	50.0	45.0	90	40-140
4-Chlorophenyl phenyl ethe	50.0	40.5	81	40-140

Semivolatile Water Laboratory Control Spike

Date Extracted: 1/5/2007
Date Analyzed: 1/11/2007

4-Nitroaniline	50.0	64.3	129	40-140
4,6-Dinitro-2-methylphenol	50.0	36.2	72	30-130
n-Nitrosodiphenylamine	50.0	49.5	99	40-140
Diphenylamine	50.0	49.5	99	40-140
4-Bromophenyl phenyl ether	50.0	38.3	77	40-140
Hexachlorobenzene	50.0	40.7	81	40-140
Pentachlorophenol	50.0	43.4	87	30-130
Phenanthrene	50.0	43.8	88	40-140
Anthracene	50.0	44.9	90	40-140
Di-n-butylphthalate	50.0	54.5	109	40-140
Fluoranthene	50.0	46.6	93	40-140
Pyrene	50.0	38.5	77	40-140
Butyl benzyl phthalate	50.0	39.7	79	40-140
Benzo(a)anthracene	50.0	44.3	89	40-140
Chrysene	50.0	45.5	91	40-140
bis(2-Ethylhexyl)phthalate	50.0	40.4	81	40-140
Di-n-octyl phthalate	50.0	30.3	61	40-140
Benzo(b)fluoranthene	50.0	40.8	82	40-140
Benzo(k)fluoranthene	50.0	44.3	89	40-140
Benzo(a)pyrene	50.0	46.6	93	40-140
Indeno(1,2,3-cd)pyrene	50.0	55.0	110	40-140
Dibenz(a,h)anthracene	50.0	54.9	110	40-140
Benzo(g,h,i)perylene	50.0	56.8	114	40-140

* Permissible under MCP QA guidelines.

RESULTS: EXTRACTABLE PETROLEUM HYDROCARBONS

Results for EPH analysis are presented in the following section. Each page is electronically signed. In the hardcopy report, two signatures appear on the approval line – the electronic signature and the handwritten signature.

SAMPLE INFORMATION

Matrix	X Aqueous Soil Sediment Other:
Containers	X Satisfactory Broken Leaking:
Aqueous Preservatives	N/A X pH<2 pH>2 Comment:
Temperature	X Received on Ice Received at 4 ° C Other:
Extraction Method	Water: Separatory Funnel Soil: N/A

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	Knoll-21
Method for Target Analytes:			Lab ID	S0104-02
EPH Surrogate Standards			Date Collected	1/2/07
Aliphatic: Chlorooctadecane			Date Received	1/4/07
Aromatic: o-Terphenyl			Date Extracted	1/9/07
EPH Fractionation Surrogates			Date Analyzed	1/10/07
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	N/A
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		150	ug/L	179
Diesel PAH Analytes	Naphthalene	1.0	ug/L	<1.0
	2-Methylnaphthalene	1.0	ug/L	<1.0
	Phenanthrene	1.0	ug/L	<1.0
	Acenaphthylene	1.0	ug/L	<1.0
Other Target PAH Analytes	Acenaphthene	5.0	ug/L	<5.0
	Fluorene	5.0	ug/L	<5.0
	Anthracene	5.0	ug/L	<5.0
	Fluoranthene	5.0	ug/L	<5.0
	Pyrene	5.0	ug/L	<5.0
	Benzo(a)anthracene	1.0	ug/L	<1.0
	Chrysene	2.0	ug/L	<2.0
	Benzo(b)fluoranthene	1.0	ug/L	<1.0
	Benzo(k)fluoranthene	1.0	ug/L	<1.0
	Benzo(a)pyrene	0.2	ug/L	<0.2
	Indeno(1,2,3-cd)pyrene	0.5	ug/L	<0.5
	Dibenzo(a,h)anthracene	0.5	ug/L	<0.5
	Benzo(g,h,i)perylene	5.0	ug/L	<5.0
C9-C18 Aliphatic Hydrocarbons[1]		200	ug/L	<200
C19-C36 Aliphatic Hydrocarbons[1]		200	ug/L	901
C11-C22 Aromatic Hydrocarbons[1,2]		150	ug/L	179
Aliphatic Surrogate % Recovery				72
Aromatic Surrogate % Recovery				70
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				85
Fractionation Surrogate % Recovery				83
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached

Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached

Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 1/11/2007

SAMPLE INFORMATION

Matrix	X Aqueous Soil Sediment Other:
Containers	X Satisfactory Broken Leaking:
Aqueous Preservatives	N/A X pH<2 pH>2 Comment:
Temperature	X Received on Ice Received at 4 ° C Other:
Extraction Method	Water: Separatory Funnel Soil: N/A

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	Knoll-22
Method for Target Analytes:			Lab ID	S0104-02
EPH Surrogate Standards			Date Collected	1/2/07
Aliphatic: Chlorooctadecane			Date Received	1/4/07
Aromatic: o-Terphenyl			Date Extracted	1/9/07
EPH Fractionation Surrogates			Date Analyzed	1/10/07
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	N/A
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		150	ug/L	<150
Diesel PAH Analytes	Naphthalene	1.0	ug/L	<1.0
	2-Methylnaphthalene	1.0	ug/L	<1.0
	Phenanthrene	1.0	ug/L	<1.0
	Acenaphthylene	1.0	ug/L	<1.0
Other Target PAH Analytes	Acenaphthene	5.0	ug/L	<5.0
	Fluorene	5.0	ug/L	<5.0
	Anthracene	5.0	ug/L	<5.0
	Fluoranthene	5.0	ug/L	<5.0
	Pyrene	5.0	ug/L	<5.0
	Benzo(a)anthracene	1.0	ug/L	<1.0
	Chrysene	2.0	ug/L	<2.0
	Benzo(b)fluoranthene	1.0	ug/L	<1.0
	Benzo(k)fluoranthene	1.0	ug/L	<1.0
	Benzo(a)pyrene	0.2	ug/L	<0.2
	Indeno(1,2,3-cd)pyrene	0.5	ug/L	<0.5
	Dibenzo(a,h)anthracene	0.5	ug/L	<0.5
	Benzo(g,h,i)perylene	5.0	ug/L	<5.0
C9-C18 Aliphatic Hydrocarbons[1]		200	ug/L	<200
C19-C36 Aliphatic Hydrocarbons[1]		200	ug/L	<200
C11-C22 Aromatic Hydrocarbons[1,2]		150	ug/L	<150
Aliphatic Surrogate % Recovery				62
Aromatic Surrogate % Recovery				77
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				88
Fractionation Surrogate % Recovery				85
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached

Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached

Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 1/11/2007

SAMPLE INFORMATION

Matrix	X Aqueous Soil Sediment Other:
Containers	Satisfactory Broken Leaking:
Aqueous Preservatives	N/A pH<2 pH>2 Comment:
Temperature	Received on Ice Received at 4 ° C Other:
Extraction Method	Water: Separatory Funnel Soil: N/A

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	Method Blank
Method for Target Analytes:			Lab ID	S0104-02
EPH Surrogate Standards			Date Collected	NA
Aliphatic: Chlorooctadecane			Date Received	NA
Aromatic: o-Terphenyl			Date Extracted	1/9/07
EPH Fractionation Surrogates			Date Analyzed	1/10/07
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	N/A
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		150	ug/L	<150
Diesel PAH Analytes	Naphthalene	1.0	ug/L	<1.0
	2-Methylnaphthalene	1.0	ug/L	<1.0
	Phenanthrene	1.0	ug/L	<1.0
	Acenaphthylene	1.0	ug/L	<1.0
Other Target PAH Analytes	Acenaphthene	5.0	ug/L	<5.0
	Fluorene	5.0	ug/L	<5.0
	Anthracene	5.0	ug/L	<5.0
	Fluoranthene	5.0	ug/L	<5.0
	Pyrene	5.0	ug/L	<5.0
	Benzo(a)anthracene	1.0	ug/L	<1.0
	Chrysene	2.0	ug/L	<2.0
	Benzo(b)fluoranthene	1.0	ug/L	<1.0
	Benzo(k)fluoranthene	1.0	ug/L	<1.0
	Benzo(a)pyrene	0.2	ug/L	<0.2
	Indeno(1,2,3-cd)pyrene	0.5	ug/L	<0.5
	Dibenzo(a,h)anthracene	0.5	ug/L	<0.5
	Benzo(g,h,i)perylene	5.0	ug/L	<5.0
C9-C18 Aliphatic Hydrocarbons[1]		200	ug/L	<200
C19-C36 Aliphatic Hydrocarbons[1]		200	ug/L	<200
C11-C22 Aromatic Hydrocarbons[1,2]		150	ug/L	<150
Aliphatic Surrogate % Recovery				92
Aromatic Surrogate % Recovery				76
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				78
Fractionation Surrogate % Recovery				73
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached

Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached

Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 1/11/2007

Spike Recovery and RPD Summary Report - WATER

Method : R:\2\METHODS\ALI.M (Chemstation Integrator)
Title :
Last Update : Thu Jan 11 10:16:05 2007
Response via : Initial Calibration

Non-Spiked Sample: F011003.D

	Spike Sample	Spike Duplicate Sample
File ID :	F011004.D	F011005.D
Sample :	LHW1-9	LHWD 1-9
Acq Time:	10 Jan 20107 4:32 pm	10 Jan 20107 5:10 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Nonane	0.0	40	19	16	47	40	16	25	30-140
Tetradecane	0.0	40	34	30	86	74	14	25	40-140
Nonadecane	0.0	40	37	33	94	83	12	25	40-140
Eicosane	0.0	40	39	34	97	86	12	25	40-140
Octacosane	0.0	40	40	36	99	89	11	25	40-140

- Fails Limit Check

ALI.M Thu Jan 11 14:52:24 2007

Spike Recovery and RPD Summary Report - WATER

Method : R:\2\METHODS\ARO.M (Chemstation Integrator)
Title :
Last Update : Thu Jan 11 11:39:14 2007
Response via : Initial Calibration

Non-Spiked Sample: F011021.D

	Spike Sample	Spike Duplicate Sample
File ID :	F011022.D	F011023.D
Sample :	LWM 1-9	LWMD 1-9
Acq Time:	11 Jan 20107 3:55 am	11 Jan 20107 4:31 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Napthalene	0.0	40	22	22	54	55	2	25	40-140
Acenapthene	0.0	40	24	25	61	63	3	25	40-140
Anthracene	0.0	40	30	30	74	74	0	25	40-140
Pyrene	0.0	40	29	29	71	73	3	25	40-140
Chrysene	0.0	40	28	29	71	73	2	25	40-140

- Fails Limit Check

ARO.M Thu Jan 11 14:56:07 2007

Custody Records

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

S0104-02

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
Fax: (781) 449-1623

Turn Around Time: NORMAL
Due Date:

Project Name: KANSAS ST.

COC# 2432

PO# 3364

Comments: FULL ANALYSIS

Collected By: JOD

Sample ID	Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 ~~(PAH's)~~ SVOC	VPH (TPH)	EPH (TPH)	RCRA 8 (Dissolved / Total)	8080 (PCB)	Amrec Specs	Bardon Trimount	ESMI Specs	Asb. by PLM
KNOLL-21	1.2.07	H2O	HCl	1						X						
KNOLL-22			HCl	1						X						
KNOLL-23			HCl	2	X											
KNOLL-24			HCl	2	X											
KNOLL-25			HCl	2	X											
KNOLL-15				1							X					
MW-6A				3							X					
MW-2A			—	2				X				X				
KNOLL-8			—	1								X				

Relinquished By:	Date/Time:	Relinquished By:	Date/Time:	Relinquished By:	Date/Time:
	1.2.07				
Received By:	**Date/Time:**	**Received By:**	**Date/Time:**	**Received By:**	**Date/Time:**
EDias	1/3/07			Ewafab	1/4/07 8:45

GW=Ground Water S=Sediments/Soil WW=Waste Water

1°

F/Formats/Misc Office Forms/Chain of Custody

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number S0104-01

Prepared for:

Attn: Kevin Doherty
Knoll Environmental
69 Wexford St.
Needham, MA 02194

Report Date: January 9, 2007

Lab # RI010

Electronic Copy

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: New England Testing Laboratory, Inc. Project #: 2432

Project Location: Kansas Street RTN[1]:

This form provides certifications for the following data set: R0104-01

Sample Matrices: Groundwater (X) Soil/Sediment ( ) Drinking Water ( ) Other:

SW-846 Methods Used					
	8260B ( )	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )
	8082 (X)	8021B ( )	EPH ( )	7000 S[3] ( )	Other: ( )

1 List Release Tracking Number (RTN), if known
2 M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S – SW-846 Methods 7000 Series List individual method and analyte

An affirmative response to questions A, B, and C is required for "Presumptive Certainty" status

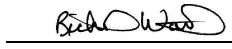
A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of Custody documentation for the data set?	Yes (X) No[1] ( )
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (X) No[1] ( )
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	Yes (X) No[1] ( ) Not Applicable ( )
D	***VPH and EPH Methods only***: Was the VPH and EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)	Yes ( ) No[1] ( )

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all QC performance standards and recommendations for the specified methods achieved?	Yes (X) No[1] ( )
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes (X) No[1] ( )

[1]All NO answers must be addressed in an attached Environmental Laboratory case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:  Position: Laboratory Director

Printed Name: Richard Warila Date: 1/9/2007

STATEMENTS/CERTIFICATIONS REQUIRED BY THE NATIONAL ENVIRONMENTAL LABORATORY APPROVAL CONFERENCE (NELAC)

New England Testing Laboratory is certified under the National Environmental Laboratory Approval Program (NELAP). This certification requires the following statements and certifications be included in our report.

This report shall not be reproduced, except in full, without written approval of the laboratory.

New England Testing certifies that the test results contained within this report meet all NELAC requirements except as detailed in the Case Narrative section of this report.

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on January 4, 2007. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. The case number for this sample submission is S0104-01.

Custody records are included in this report.

Site: Kansas
COC# 2432

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
Knoll-11	1/2/07	Water	Table II

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
PCBs	3510C	8082

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA.

CASE NARRATIVE:

Sample Receipt:

No sample for ms/msd/duplicate analysis was supplied. No field blank was supplied. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits.)

The samples were all appropriately cooled and preserved upon receipt.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

PCBs:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Sample Results

RESULTS: PCBs

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

Sample: Knoll-11		Analyst's Initials: DC
Case No. S0104-01		
Date Collected: 1/2/07		
Sample Matrix: Water		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3510C	1/8/07	1/8/07
Analytical Method: EPA 8082		
Compound	Concentration ug/l (ppb)	Reporting Limit
Aroclor-1221	N.D.	0.2
Aroclor-1232	N.D.	0.2
Aroclor-1016/1242	N.D.	0.2
Aroclor -1248	N.D.	0.2
Aroclor -1254	N.D.	0.2
Aroclor -1260	N.D.	0.2
Aroclor -1262	N.D.	0.2
Aroclor -1268	N.D.	0.2
Surrogates:		
Compound	% Recovery	Limits
TCMX	88	42-126
DCBP	105	41-142

Sample: Method Blank		Analyst's Initials: DC
Case No. S0104-01		
Date Collected: NA		
Sample Matrix: Water		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3510C	1/8/07	1/8/07
Analytical Method: EPA 8082		
Compound	Concentration ug/l (ppb)	Reporting Limit
Aroclor-1221	N.D.	0.2
Aroclor-1232	N.D.	0.2
Aroclor-1016/1242	N.D.	0.2
Aroclor -1248	N.D.	0.2
Aroclor -1254	N.D.	0.2
Aroclor -1260	N.D.	0.2
Aroclor -1262	N.D.	0.2
Aroclor -1268	N.D.	0.2
Surrogates:		
Compound	% Recovery	Limits
TCMX	63	42-126
DCBP	88	41-142

PCB Laboratory Control Spike

Sample Matrix: Soil			Analyst:	DC
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3541	1/8/07			1/8/07
Analytical Method: EPA 8082				
Compound	Amount Spiked mg/kg	Result mg/kg	Recovery %	Recovery Limits
Aroclor 1254	0.500	0.491	98	40-140
Surrogates:				
Compound	% Recovery	Limits		
TCMX	73	43-125		
DCBP	103	41-127		

Custody Records

50104-01

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
Fax: (781) 449-1623

Turn Around Time: NORMAL
Due Date:

Project Name: KANSAS

COC# 2432

PO# 8364

Comments:

Collected By: JOP

Sample ID	Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 (PAH's)	VPH (TPH)	EPH (TPH)	RCRA 8 †Dissolved †Total	8080 (PCB)	Amrec Specs	Bardon Trimount	ESMI Specs	Asb. by PLM
KANSAS-11	1.2.07	H2O	—	1								X				

Relinquished By: Date/Time: 1.2.07

Received By: Date/Time:

Relinquished By: Date/Time:

Received By: Date/Time:

Relinquished By: Date/Time:

Received By: Date/Time: 1/4/07 8:45

E. Pitts 1/3/07

GW=Ground Water S=Sediments/Soil WW=Waste Water

1°

F/Formats/Misc Office Forms/Chain of Custody

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number R0908-07

Prepared for:

Attn: Kevin Doherty
Knoll Environmental
69 Wexford St.
Needham, MA 02194

Report Date: September 15, 2006

Lab # RI010

Electronic Copy

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: New England Testing Laboratory, Inc.	Project #: 2402
Project Location: Kansas St	RTN[1]:
This form provides certifications for the following data set: R0908-07	
Sample Matrices: Groundwater (X) Soil/Sediment ( ) Drinking Water ( ) Other:	

SW-846 Methods Used					
	8260B ( )	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
	8270C ( )	8081A ( )	VPH (X)	6020 ( )	9014M[2] ( )
	8082 (X)	8021B ( )	EPH (X)	7000 S[3] ( )	Other: ( )

1 List Release Tracking Number (RTN), if known
2 M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S – SW-846 Methods 7000 Series List individual method and analyte

An affirmative response to questions A, B, and C is required for "Presumptive Certainty" status

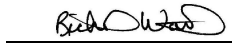
A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of Custody documentation for the data set?	Yes (X) No[1] ( )
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (X) No[1] ( )
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	Yes (X) No[1] ( ) Not Applicable ( )
D	***VPH and EPH Methods only***: Was the VPH and EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)	Yes (X) No[1] ( )

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all QC performance standards and recommendations for the specified methods achieved?	Yes (X) No[1] ( )
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes (X) No[1] ( )

[1]All NO answers must be addressed in an attached Environmental Laboratory case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:  Position: Laboratory Director

Printed Name: Richard Warila Date: 9/15/2006

STATEMENTS/CERTIFICATIONS REQUIRED BY THE NATIONAL ENVIRONMENTAL LABORATORY APPROVAL CONFERENCE (NELAC)

New England Testing Laboratory is certified under the National Environmental Laboratory Approval Program (NELAP). This certification requires the following statements and certifications be included in our report.

This report shall not be reproduced, except in full, without written approval of the laboratory.

New England Testing certifies that the test results contained within this report meet all NELAC requirements except as detailed in the Case Narrative section of this report.

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on September 8, 2006. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. The case number for this sample submission is R0908-07.

Custody records are included in this report.

Site: Kansas St
COC# 2402

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
Knoll-1	9/7/06	Water	Table II
Knoll-2	9/7/06	Water	Table II
Knoll-8	9/7/06	Water	Table II
Knoll-11	9/7/06	Water	Table II
Knoll-20	9/7/06	Water	Table III

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
PCBs	3510C	8082

TABLE III, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
VPH	NA	*
EPH	NA	**

These methods are documented in:

*Method for the Determination of Volatile Petroleum Hydrocarbons (VPH), MADEP.

**Method for the Determination of Extractable Petroleum Hydrocarbons (EPH), MADEP.

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA.

CASE NARRATIVE:

Sample Receipt:

No sample for ms/msd/duplicate analysis was supplied. No trip blank was supplied unless it was identified in such a manner as to be un-interpretable by the laboratory. No field blank was supplied unless it was identified in such a manner as to be un-interpretable by the laboratory. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits.)

The samples were all appropriately cooled and preserved upon receipt.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

PCBs:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

The surrogates in sample "Knoll-8" were obscured due to interferences by the sample matrix.

VPH:

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

EPH:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Sample Results

RESULTS: VOLATILE PETROLEUM HYDROCARBONS

Results for VPH analysis are presented in the following section. Each page is electronically signed. In the hardcopy report, two signatures appear on the approval line – the electronic signature and the handwritten signature.

SAMPLE INFORMATION

Matrix	X Aqueous	__ Soil __ Sediment __ Other:	
Containers	X Satisfactory	__ Broken __ Leaking:	
Sample Preservatives	Aqueous	__ N/A X pH≤2 __ pH>2 Comment:	
	Soil or Sediment	__ N/A __ Samples NOT preserved Methanol or air-tight container	mL Methanol/g soil
		__ Samples rec'd in Methanol: __ covering soil __ not covering soil	__ 1:1 +/- 25%
		__ Samples received in air-tight container:	__ Other:
Temperature	X Received on Ice	X Received at 4° C __ Other:	

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH 01/98			Client ID	Knoll-20
Method for Target Analytes:			Lab ID	R0908-07
VPH Surrogate Standards			Date Collected	9/7/06
PID: 2,5- Dibromotoluene			Date Received	9/8/06
FID: 2,5- Dibromotoluene			Date Analyzed	9/14/06
			Dilution Factor	1X
			% Moisture (soil)	NA
Range/Target Analyte	**Elution Range**	**RL**	**Units**	
Unadjusted C5-C8 Aliphatics[1]	N/A	50	ug/L	<50
Unadjusted C9-C12 Aliphatics[1]	N/A	50	ug/L	<50
Benzene	C5-C8	5	ug/L	<5
Ethylbenzene	C9-C12	5	ug/L	<5
Methyl-tert-butylether	C5-C8	10	ug/L	<10
Naphthalene	N/A	10	ug/L	<10
Toluene	C5-C8	5	ug/L	<5
m- & p- Xylenes	C9-C12	10	ug/L	<10
o-Xylene	C9-C12	10	ug/L	<10
C5-C8 Aliphatic Hydrocarbons[1,2]	N/A	50	ug/L	<50
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	50	ug/L	<50
C9-C10 Aromatic Hydrocarbons[1]	N/A	50	ug/L	<50
PID Surrogate % Recovery				79
FID Surrogate % Recovery				86
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C_5-C_8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3]C_9-C_{12} Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C_9-C_{10} Aromatic Hydrocarbons

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? X Yes __ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3? X No __ Yes-Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 9/15/2006

SAMPLE INFORMATION

Matrix	X Aqueous __ Soil __ Sediment __ Other:		
Containers	__ Satisfactory __ Broken __ Leaking:		
Sample Preservatives	Aqueous	X N/A __ pH≤2 __ pH>2 Comment:	
	Soil or Sediment	__ N/A __ Samples NOT preserved Methanol or air-tight container	mL Methanol/g soil
		__ Samples rec'd in Methanol: __ covering soil __ not covering soil	__ 1:1 +/- 25%
		__ Samples received in air-tight container:	__ Other:
Temperature	__ Received on Ice __ Received at 4° C __ Other:		

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH 01/98			Client ID	Method Blank
Method for Target Analytes:			Lab ID	R0908-07
VPH Surrogate Standards			Date Collected	NA
PID: 2,5- Dibromotoluene			Date Received	NA
FID: 2,5- Dibromotoluene			Date Analyzed	9/14/06
			Dilution Factor	1X
			% Moisture (soil)	NA
Range/Target Analyte	**Elution Range**	**RL**	**Units**	
Unadjusted C5-C8 Aliphatics[1]	N/A	50	ug/L	<50
Unadjusted C9-C12 Aliphatics[1]	N/A	50	ug/L	<50
Benzene	C5-C8	5	ug/L	<5
Ethylbenzene	C9-C12	5	ug/L	<5
Methyl-tert-butylether	C5-C8	10	ug/L	<10
Naphthalene	N/A	10	ug/L	<10
Toluene	C5-C8	5	ug/L	<5
m- & p- Xylenes	C9-C12	10	ug/L	<10
o-Xylene	C9-C12	10	ug/L	<10
C5-C8 Aliphatic Hydrocarbons[1,2]	N/A	50	ug/L	<50
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	50	ug/L	<50
C9-C10 Aromatic Hydrocarbons[1]	N/A	50	ug/L	<50
PID Surrogate % Recovery				94
FID Surrogate % Recovery				95
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C_5-C_8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3]C_9-C_{12} Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C_9-C_{10} Aromatic Hydrocarbons

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? X Yes __ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3? X No __ Yes-Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 9/15/2006

VPH Laboratory Control Spike - Water

Date Analyzed: **9/14/06**

	Amount Spiked, µg/L	Result, µg/L	Recovery, %	Recovery Limits, %
TBME	50.0	50	100	70-130
Benzene	50.0	58	116	70-130
Toluene	50.0	50	100	70-130
Ethylbenzene	50.0	53	106	70-130
m&p Xylene	100.0	109	109	70-130
o-Xylene	50.0	48	96	70-130
Naphthalene	50.0	38	76	N/A
Pentane	50.0	48	96	70-130
2-Methyl pentane	50.0	50	100	70-130
2,2,4-trimethylpentane	50.0	49	98	70-130

RESULTS: EXTRACTABLE PETROLEUM HYDROCARBONS

Results for EPH analysis are presented in the following section. Each page is electronically signed. In the hardcopy report, two signatures appear on the approval line – the electronic signature and the handwritten signature.

SAMPLE INFORMATION

Matrix	X Aqueous Soil Sediment Other:
Containers	X Satisfactory Broken Leaking:
Aqueous Preservatives	N/A X pH<2 pH>2 Comment:
Temperature	X Received on Ice X Received at 4 ° C Other:
Extraction Method	Water: Separatory Funnel Soil: N/A

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	Knoll-20
Method for Target Analytes:			Lab ID	R0908-07
EPH Surrogate Standards			Date Collected	9/7/06
Aliphatic: Chlorooctadecane			Date Received	9/8/06
Aromatic: o-Terphenyl			Date Extracted	9/11/06
EPH Fractionation Surrogates			Date Analyzed	9/14/06, 9/15/06
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	N/A
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		150	ug/L	1050
Diesel PAH Analytes	Naphthalene	1.0	ug/L	<1.0
	2-Methylnaphthalene	1.0	ug/L	<1.0
	Phenanthrene	1.0	ug/L	<1.0
	Acenaphthylene	1.0	ug/L	<1.0
Other Target PAH Analytes	Acenaphthene	5.0	ug/L	<5.0
	Fluorene	5.0	ug/L	<5.0
	Anthracene	5.0	ug/L	<5.0
	Fluoranthene	5.0	ug/L	<5.0
	Pyrene	5.0	ug/L	<5.0
	Benzo(a)anthracene	1.0	ug/L	<1.0
	Chrysene	2.0	ug/L	<2.0
	Benzo(b)fluoranthene	1.0	ug/L	<1.0
	Benzo(k)fluoranthene	1.0	ug/L	<1.0
	Benzo(a)pyrene	0.2	ug/L	<0.2
	Indeno(1,2,3-cd)pyrene	0.5	ug/L	<0.5
	Dibenzo(a,h)anthracene	0.5	ug/L	<0.5
	Benzo(g,h,i)perylene	5.0	ug/L	<5.0
C9-C18 Aliphatic Hydrocarbons[1]		200	ug/L	<200
C19-C36 Aliphatic Hydrocarbons[1]		200	ug/L	5910
C11-C22 Aromatic Hydrocarbons[1,2]		150	ug/L	1050
Aliphatic Surrogate % Recovery				62
Aromatic Surrogate % Recovery				63
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				56
Fractionation Surrogate % Recovery				65
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached

Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached

Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 9/15/2006

SAMPLE INFORMATION

Matrix	X Aqueous Soil Sediment Other:
Containers	Satisfactory Broken Leaking:
Aqueous Preservatives	N/A pH<2 pH>2 Comment:
Temperature	Received on Ice Received at 4 ° C Other:
Extraction Method	Water: Separatory Funnel Soil: N/A

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	Method Blank
Method for Target Analytes:			Lab ID	R0908-07
EPH Surrogate Standards			Date Collected	NA
Aliphatic: Chlorooctadecane			Date Received	NA
Aromatic: o-Terphenyl			Date Extracted	9/11/06
EPH Fractionation Surrogates			Date Analyzed	9/14/06, 9/15/06
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	N/A
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		150	ug/L	<150
Diesel PAH Analytes	Naphthalene	1.0	ug/L	<1.0
	2-Methylnaphthalene	1.0	ug/L	<1.0
	Phenanthrene	1.0	ug/L	<1.0
	Acenaphthylene	1.0	ug/L	<1.0
Other Target PAH Analytes	Acenaphthene	5.0	ug/L	<5.0
	Fluorene	5.0	ug/L	<5.0
	Anthracene	5.0	ug/L	<5.0
	Fluoranthene	5.0	ug/L	<5.0
	Pyrene	5.0	ug/L	<5.0
	Benzo(a)anthracene	1.0	ug/L	<1.0
	Chrysene	2.0	ug/L	<2.0
	Benzo(b)fluoranthene	1.0	ug/L	<1.0
	Benzo(k)fluoranthene	1.0	ug/L	<1.0
	Benzo(a)pyrene	0.2	ug/L	<0.2
	Indeno(1,2,3-cd)pyrene	0.5	ug/L	<0.5
	Dibenzo(a,h)anthracene	0.5	ug/L	<0.5
	Benzo(g,h,i)perylene	5.0	ug/L	<5.0
C9-C18 Aliphatic Hydrocarbons[1]		200	ug/L	<200
C19-C36 Aliphatic Hydrocarbons[1]		200	ug/L	<200
C11-C22 Aromatic Hydrocarbons[1,2]		150	ug/L	<150
Aliphatic Surrogate % Recovery				79
Aromatic Surrogate % Recovery				72
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				52
Fractionation Surrogate % Recovery				61
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached

Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached

Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Richard Warila DATE: 9/15/2006

Spike Recovery and RPD Summary Report - WATER

Method : R:\1\METHODS\8082QED.M (Chemstation Integrator)
Title :
Last Update : Fri Sep 15 09:09:27 2006
Response via : Initial Calibration

Non-Spiked Sample: F091402.D

	Spike Sample	Spike Duplicate Sample
File ID :	F091403.D	F091404.D
Sample :	LWH9-11	LWHD9-11
Acq Time:	14 Sep 20106 11:20 am	14 Sep 20106 11:59 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Nonane	0.0	40	23	24	59	60	3	25	30-140
Tetradecane	0.0	40	31	33	79	82	4	25	40-140
Nonadecane	0.0	40	40	41	100	102	2	25	40-140
Eicosane	0.0	40	43	43	107	107	0	25	40-140
Octacosane	0.0	40	41	42	103	104	1	25	40-140

- Fails Limit Check

8082QED.M Fri Sep 15 09:19:52 2006

Spike Recovery and RPD Summary Report - WATER

Method : R:\1\METHODS\8082QED.M (Chemstation Integrator)
Title :
Last Update : Fri Sep 15 09:09:27 2006
Response via : Initial Calibration

Non-Spiked Sample: F091426.D

	Spike Sample	Spike Duplicate Sample
File ID :	F091427.D	F091428.D
Sample :	LEW 9-11 ME	LEWD 9-11 ME
Acq Time:	15 Sep 20106 2:35 am	15 Sep 20106 3:11 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Napthalene	0.0	40	25	27	63	66	5	25	40-140
2 methyl napthalene	0.0	40	27	29	67	71	7	25	40-140
Acenapthene	0.0	40	33	35	82	88	7	25	40-140
Anthracene	0.0	40	39	39	98	98	0	25	40-140
Pyrene	0.0	40	39	43	99	107	9	25	40-140
Chrysene	0.0	40	41	43	102	107	4	25	40-140

- Fails Limit Check

8082QED.M Fri Sep 15 09:21:03 2006

RESULTS: PCBs

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

Sample: Knoll-1		Analyst's Initials: DC
Case No. R0908-07		
Date Collected: 9/7/06		
Sample Matrix: Water		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3510C	9/13/06	9/13/06
Analytical Method: EPA 8082		
Compound	Concentration ug/l (ppb)	Reporting Limit
Aroclor-1221	N.D.	0.2
Aroclor-1232	N.D.	0.2
Aroclor-1016/1242	N.D.	0.2
Aroclor -1248	N.D.	0.2
Aroclor -1254	N.D.	0.2
Aroclor -1260	N.D.	0.2
Aroclor -1262	N.D.	0.2
Aroclor -1268	N.D.	0.2
Surrogates:		
Compound	% Recovery	Limits
TCMX	83	25-141
DCBP	90	41-156

Sample: Knoll-2		Analyst's Initials: DC
Case No. R0908-07		
Date Collected: 9/7/06		
Sample Matrix: Water		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3510C	9/13/06	9/13/06
Analytical Method: EPA 8082		
Compound	Concentration ug/l (ppb)	Reporting Limit
Aroclor-1221	N.D.	0.2
Aroclor-1232	0.4	0.2
Aroclor-1016/1242	N.D.	0.2
Aroclor -1248	N.D.	0.2
Aroclor -1254	N.D.	0.2
Aroclor -1260	N.D.	0.2
Aroclor -1262	N.D.	0.2
Aroclor -1268	N.D.	0.2
Surrogates:		
Compound	% Recovery	Limits
TCMX	95	25-141
DCBP	78	41-156

Sample: Knoll-8		Analyst's Initials: DC
Case No. R0908-07		
Date Collected: 9/7/06		
Sample Matrix: Water		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3510C	9/13/06	9/13/06
Analytical Method: EPA 8082		
Compound	Concentration ug/l (ppb)	Reporting Limit
Aroclor-1221	N.D.	50
Aroclor-1232	N.D.	50
Aroclor-1016/1242	N.D.	50
Aroclor -1248	N.D.	50
Aroclor -1254	362	50
Aroclor -1260	N.D.	50
Aroclor -1262	N.D.	50
Aroclor -1268	N.D.	50
Surrogates:		
Compound	% Recovery	Limits
TCMX	Surrogate obscured by profile	25-141
DCBP	Surrogate obscured by profile	41-156

Sample: Knoll-11		Analyst's Initials: DC
Case No. R0908-07		
Date Collected: 9/7/06		
Sample Matrix: Water		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3510C	9/13/06	9/13/06
Analytical Method: EPA 8082		
Compound	Concentration ug/l (ppb)	Reporting Limit
Aroclor-1221	N.D.	0.2
Aroclor-1232	N.D.	0.2
Aroclor-1016/1242	N.D.	0.2
Aroclor -1248	N.D.	0.2
Aroclor -1254	0.8	0.2
Aroclor -1260	N.D.	0.2
Aroclor -1262	N.D.	0.2
Aroclor -1268	N.D.	0.2
Surrogates:		
Compound	% Recovery	Limits
TCMX	73	25-141
DCBP	90	41-156

Sample: Method Blank		Analyst's Initials: DC
Case No. R0908-07		
Date Collected: NA		
Sample Matrix: Water		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3510C	9/13/06	9/13/06
Analytical Method: EPA 8082		
Compound	Concentration ug/l (ppb)	Reporting Limit
Aroclor-1221	N.D.	0.2
Aroclor-1232	N.D.	0.2
Aroclor-1016/1242	N.D.	0.2
Aroclor -1248	N.D.	0.2
Aroclor -1254	N.D.	0.2
Aroclor -1260	N.D.	0.2
Aroclor -1262	N.D.	0.2
Aroclor -1268	N.D.	0.2
Surrogates:		
Compound	% Recovery	Limits
TCMX	68	25-141
DCBP	90	41-156

PCB Laboratory Control Spike

Date Collected: NA			Analyst:	DC
Sample Matrix: Water				
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3510C	9/13/06			9/13/06
Analytical Method: EPA 8082				
Compound	Amount Spiked ug/l	Result ug/l	Recovery %	Recovery Limits
Aroclor 1242	0.500	0.410	82	40-140
Surrogates:	% Recovery	Limits		
TCMX	70	25-141		
DCBP	80	41-156		

Custody Records

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

R0908-07

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
Fax: (781) 449-1623

Turn Around Time: NORMAL
Due Date:

Project Name: Kansas St

COC# 2402

PO# 8334

Comments:

Collected By: MH

Sample ID	Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 (PAH's)	VPH	EPH	RCRA 8 (Metal)	8080 (PCB)	Amrec Specs	Bardon Trimount	ESMI Specs	Asb. by PLM
Knoll-1	9.7.06	H_2O	—	1								X				
Knoll-2	"	"	—	1								X				
Knoll-8	"	"	—	1								X				
Knoll-11	"	"	—	1								X				
Knoll-20	"	"	HCl	3					X	X						

Relinquished By: Mamin Date/Time: 9.7.06 Relinquished By: Date/Time: Relinquished By: Date/Time:

Received By: Date/Time: 9/8/06 Received By: Date/Time: Received By: Date/Time: 9/8/06 11:31

GW=Ground Water S=Sediments/Soil WW=Waste Water

Reid @ 4°C

F/Formats/Misc Office Forms/Chain of Custody

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number R0418-03

Prepared for:

Attn: Kevin Doherty
Knoll Environmental
69 Wexford St.
Needham, MA 02194

Report Date: April 21, 2006

Lab # RI010

Electronic Copy

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: New England Testing Laboratory, Inc. Project #: 2382

Project Location: Kansas St. RTN[1]:

This form provides certifications for the following data set: R0418-02

Sample Matrices: Groundwater ( ) Soil/Sediment ( ) Drinking Water ( ) Other: Oil

SW-846 Methods Used					
	8260B ( )	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
	8270C (X)	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )
	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	Other: ( )

1 List Release Tracking Number (RTN), if known
2 M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S – SW-846 Methods 7000 Series List individual method and analyte

An affirmative response to questions A, B, and C is required for "Presumptive Certainty" status

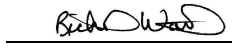
A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of Custody documentation for the data set?	Yes (X) No[1] ( )
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (X) No[1] ( )
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	Yes ( ) No[1] ( ) Not Applicable (X)
D	***VPH and EPH Methods only***: Was the VPH and EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)	Yes ( ) No[1] ( )

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all QC performance standards and recommendations for the specified methods achieved?	Yes (X) No[1] ( )
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes (X) No[1] ( )

[1]All NO answers must be addressed in an attached Environmental Laboratory case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:  Position: Laboratory Director

Printed Name: Richard Warila Date: 4/24/2006

STATEMENTS/CERTIFICATIONS REQUIRED BY THE NATIONAL ENVIRONMENTAL LABORATORY APPROVAL CONFERENCE (NELAC)

New England Testing Laboratory is certified under the National Environmental Laboratory Approval Program (NELAP). This certification requires the following statements and certifications be included in our report.

This report shall not be reproduced, except in full, without written approval of the laboratory.

New England Testing certifies that the test results contained within this report meet all NELAC requirements except as detailed in the Case Narrative section of this report.

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on April 7, 2006 and was resubmitted on April 18, 2006. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. The case number for this sample submission is R0418-03.

Custody records are included in this report.

Site: Kansas St.
COC# 2382

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
MW-2A	4/6/06	Oil	Table II

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Semivolatile Organic Compounds	3580	8270C

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA.

CASE NARRATIVE:

Sample Receipt:

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

Semivolatile Organics:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration and method blank were within method specified quality control criteria.

Sample Results

RESULTS: SEMIVOLATILE ORGANIC COMPOUNDS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

NETLLAB

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0418-03
Client Name: Knoll Environmental
Method: 8270
Lab Sample ID: MW-2A
Matrix: (soil/water/air) OIL
Lab File ID: B042004.D
Sample wt/vol: 0.102 (g/ml) G
Date Sampled: 4/6/2006
Level: (low/med) LOW
Date Extracted: 4/20/2006
% Moisture: 0
Date Analyzed: 4/20/2006
Concentrated Extract Volume: 10000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
62-75-9	n-Nitrosodimethylamine	290000	U
110-86-1	Pyridine	200000	U
108-95-2	Phenol	200000	U
62-53-3	Aniline	200000	U
111-44-4	bis(2-Chloroethyl)ether	98000	U
95-57-8	2-Chlorophenol	200000	U
541-73-1	1,3-Dichlorobenzene	98000	U
106-46-7	1,4-Dichlorobenzene	98000	U
95-50-1	1,2-Dichlorobenzene	98000	U
95-48-7	2-Methylphenol	98000	U
108-60-1	bis(2-chloroisopropyl)ether	98000	U
106-44-5	3- & 4-Methylphenol	98000	U
621-64-7	n-Nitroso-di-n-propylamine	98000	U
67-72-1	Hexachloroethane	98000	U
98-95-3	Nitrobenzene	98000	U
78-59-1	Isophorone	98000	U
88-75-5	2-Nitrophenol	490000	U
105-67-9	2,4-Dimethylphenol	980000	U
65-85-0	Benzoic acid	1500000	U
111-91-1	bis(2-Chloroethoxy)methane	98000	U
120-83-2	2,4-Dichlorophenol	200000	U
120-82-1	1,2,4-Trichlorobenzene	98000	U
91-20-3	Naphthalene	98000	U
106-47-8	4-Chloroaniline	98000	U
87-68-3	Hexachlorobutadiene	98000	U
59-50-7	4-Chloro-3-methylphenol	490000	U
91-57-6	2-Methylnaphthalene	98000	U
77-47-4	Hexachlorocyclopentadiene	98000	U
88-06-2	2,4,6-Trichlorophenol	200000	U
95-95-4	2,4,5-Trichlorophenol	200000	U
91-58-7	2-Chloronaphthalene	98000	U
88-74-4	2-Nitroaniline	98000	U
131-11-3	Dimethyl phthalate	98000	U
208-96-8	Acenaphthylene	98000	U
606-20-2	2,6-Dinitrotoluene	98000	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0418-03
Client Name: Knoll Environmental
Method: 8270
Lab Sample ID: MW-2A
Matrix: (soil/water/air) OIL
Lab File ID: B042004.D
Sample wt/vol: 0.102 (g/ml) G
Date Sampled: 4/6/2006
Level: (low/med) LOW
Date Extracted: 4/20/2006
% Moisture: 0
Date Analyzed: 4/20/2006
Concentrated Extract Volume: 10000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
99-09-2	3-Nitroaniline	98000	U
83-32-9	Acenaphthene	98000	U
51-28-5	2,4-Dinitrophenol	490000	U
100-02-7	4-Nitrophenol	490000	U
132-64-9	Dibenzofuran	98000	U
121-14-2	2,4-Dinitrotoluene	98000	U
84-66-2	Diethyl phthalate	98000	U
86-73-7	Fluorene	98000	U
7005-72-3	4-Chlorophenyl phenyl ether	98000	U
100-01-6	4-Nitroaniline	98000	U
534-52-1	4,6-Dinitro-2-methylphenol	490000	U
86-30-6	n-Nitrosodiphenylamine	98000	U
101-55-3	4-Bromophenyl phenyl ether	98000	U
118-74-1	Hexachlorobenzene	98000	U
87-86-5	Pentachlorophenol	490000	U
85-01-8	Phenanthrene	98000	U
120-12-7	Anthracene	98000	U
84-74-2	Di-n-butylphthalate	290000	U
206-44-0	Fluoranthene	98000	U
92-87-5	Benzidine	5900000	U
129-00-0	Pyrene	98000	U
85-68-7	Butyl benzyl phthalate	98000	U
91-94-1	3,3'-Dichlorobenzidine	98000	U
56-55-3	Benzo(a)anthracene	98000	U
218-01-9	Chrysene	98000	U
117-81-7	bis(2-Ethylhexyl)phthalate	290000	U
117-84-0	Di-n-octyl phthalate	290000	U
205-99-2	Benzo(b)fluoranthene	98000	U
207-08-9	Benzo(k)fluoranthene	98000	U
50-32-8	Benzo(a)pyrene	98000	U
193-39-5	Indeno(1,2,3-cd)pyrene	98000	U
53-70-3	Dibenz(a,h)anthracene	98000	U
191-24-2	Benzo(g,h,i)perylene	98000	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0418-03
Client Name: Knoll Environmental
Method: 8270
Lab Sample ID: SBLK060420
Matrix: (soil/water/air) OIL
Lab File ID: B042003.D
Sample wt/vol: 0.1 (g/ml) G
Date Sampled: 4/6/2006
Level: (low/med) LOW
Date Extracted: 4/20/2006
% Moisture: 0
Date Analyzed: 4/20/2006
Concentrated Extract Volume: 10000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
62-75-9	n-Nitrosodimethylamine	300000	U
110-86-1	Pyridine	200000	U
108-95-2	Phenol	200000	U
62-53-3	Aniline	200000	U
111-44-4	bis(2-Chloroethyl)ether	100000	U
95-57-8	2-Chlorophenol	200000	U
541-73-1	1,3-Dichlorobenzene	100000	U
106-46-7	1,4-Dichlorobenzene	100000	U
95-50-1	1,2-Dichlorobenzene	100000	U
95-48-7	2-Methylphenol	100000	U
108-60-1	bis(2-chloroisopropyl)ether	100000	U
106-44-5	3- & 4-Methylphenol	100000	U
621-64-7	n-Nitroso-di-n-propylamine	100000	U
67-72-1	Hexachloroethane	100000	U
98-95-3	Nitrobenzene	100000	U
78-59-1	Isophorone	100000	U
88-75-5	2-Nitrophenol	500000	U
105-67-9	2,4-Dimethylphenol	1000000	U
65-85-0	Benzoic acid	1500000	U
111-91-1	bis(2-Chloroethoxy)methane	100000	U
120-83-2	2,4-Dichlorophenol	200000	U
120-82-1	1,2,4-Trichlorobenzene	100000	U
91-20-3	Naphthalene	100000	U
106-47-8	4-Chloroaniline	100000	U
87-68-3	Hexachlorobutadiene	100000	U
59-50-7	4-Chloro-3-methylphenol	500000	U
91-57-6	2-Methylnaphthalene	100000	U
77-47-4	Hexachlorocyclopentadiene	100000	U
88-06-2	2,4,6-Trichlorophenol	200000	U
95-95-4	2,4,5-Trichlorophenol	200000	U
91-58-7	2-Chloronaphthalene	100000	U
88-74-4	2-Nitroaniline	100000	U
131-11-3	Dimethyl phthalate	100000	U
208-96-8	Acenaphthylene	100000	U
606-20-2	2,6-Dinitrotoluene	100000	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0418-03
Client Name: Knoll Environmental
Method: 8270
Lab Sample ID: SBLK060420
Matrix: (soil/water/air) OIL
Lab File ID: B042003.D
Sample wt/vol: 0.1 (g/ml) G
Date Sampled: 4/6/2006
Level: (low/med) LOW
Date Extracted: 4/20/2006
% Moisture: 0
Date Analyzed: 4/20/2006
Concentrated Extract Volume: 10000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
99-09-2	3-Nitroaniline	100000	U
83-32-9	Acenaphthene	100000	U
51-28-5	2,4-Dinitrophenol	500000	U
100-02-7	4-Nitrophenol	500000	U
132-64-9	Dibenzofuran	100000	U
121-14-2	2,4-Dinitrotoluene	100000	U
84-66-2	Diethyl phthalate	100000	U
86-73-7	Fluorene	100000	U
7005-72-3	4-Chlorophenyl phenyl ether	100000	U
100-01-6	4-Nitroaniline	100000	U
534-52-1	4,6-Dinitro-2-methylphenol	500000	U
86-30-6	n-Nitrosodiphenylamine	100000	U
101-55-3	4-Bromophenyl phenyl ether	100000	U
118-74-1	Hexachlorobenzene	100000	U
87-86-5	Pentachlorophenol	500000	U
85-01-8	Phenanthrene	100000	U
120-12-7	Anthracene	100000	U
84-74-2	Di-n-butylphthalate	300000	U
206-44-0	Fluoranthene	100000	U
92-87-5	Benzidine	6000000	U
129-00-0	Pyrene	100000	U
85-68-7	Butyl benzyl phthalate	100000	U
91-94-1	3,3'-Dichlorobenzidine	100000	U
56-55-3	Benzo(a)anthracene	100000	U
218-01-9	Chrysene	100000	U
117-81-7	bis(2-Ethylhexyl)phthalate	300000	U
117-84-0	Di-n-octyl phthalate	300000	U
205-99-2	Benzo(b)fluoranthene	100000	U
207-08-9	Benzo(k)fluoranthene	100000	U
50-32-8	Benzo(a)pyrene	100000	U
193-39-5	Indeno(1,2,3-cd)pyrene	100000	U
53-70-3	Dibenz(a,h)anthracene	100000	U
191-24-2	Benzo(g,h,i)perylene	100000	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

2D

OIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: New England Testing Lab Case No.: R0418-03

Lab Code: RI010 Client Name: Knoll Environmental

Level: (low/med) LOW

	Sample ID	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
01	SBLK060420	98	94	94	88	78	91	0
02	MW-2A	98	92	90	81	94	102	0

QC LIMITS

S1	=	2-Fluorophenol	(16-133)
S2	=	Phenol-d6	(25-131)
S3	=	Nitrobenzene-d5	(30-128)
S4	=	2-Fluorobiphenyl	(21-139)
S5	=	2,4,6-Tribromophenol	(26-135)
S6	=	Terphenyl-d14	(29-187)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

New England Testing Laboratory, Inc.

Custody Records

R0418-03.
~~R0407-15~~.

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
Fax: (781) 449-1623

Turn Around Time: NORMAL
Due Date:

Project Name: Kansas St.

COC# 2382

PO# 8314

Comments: re-log for full 8270

Collected By: Monin

Sample ID	Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 (PAH's)	VPH (TPH)	EPH (TPH)	RCRA 8 ☐Dissolved ☐Total	8080 (PCB)	Amrec Specs	Bardon Trimount	ESMI Specs	Asb. by PLM
MW-2A	4-6-07	O;I	HCL	1				X								

Relinquished By: Monin Date/Time: 4-7-06
Relinquished By: Date/Time:
Relinquished By: Date/Time:

Received By: Date/Time: 4/7-06
Received By: Lynn Smith 4/7/06 2:45
Received By; Date/Time:

GW=Ground Water S=Sediments/Soil WW=Waste Water

F/Formats/Misc Office Forms/Chain of Custody

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number R0407-15

Prepared for:

Attn: Kevin Doherty
Knoll Environmental
69 Wexford St.
Needham, MA 02194

Report Date: April 14, 2006

Lab # RI010

Electronic Copy

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: New England Testing Laboratory, Inc. Project #: 2382

Project Location: Kansas St. RTN[1]:

This form provides certifications for the following data set: R0407-15

Sample Matrices: Groundwater ( ) Soil/Sediment ( ) Drinking Water ( ) Other: Oil

SW-846 Methods Used					
	8260B ( )	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
	8270C (X)	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )
	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	Other: ( )

1 List Release Tracking Number (RTN), if known
2 M – SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Method
3 S – SW-846 Methods 7000 Series List individual method and analyte

An affirmative response to questions A, B, and C is required for "Presumptive Certainty" status

A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of Custody documentation for the data set?	Yes (X) No[1] ( )
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (X) No[1] ( )
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	Yes ( ) No[1] ( ) Not Applicable (X)
D	***VPH and EPH Methods only***: Was the VPH and EPH Method conducted without significant modifications (see Section 11.3 of respective Methods)	Yes ( ) No[1] ( )

A response to questions E and F below is required for "Presumptive Certainty" status

E	Were all QC performance standards and recommendations for the specified methods achieved?	Yes (X) No[1] ( )
F	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes ( ) No[1] (X)

[1]All NO answers must be addressed in an attached Environmental Laboratory case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature: Position: Laboratory Director

Printed Name: Mark H. Bishop Date: 4/14/2006

STATEMENTS/CERTIFICATIONS REQUIRED BY THE NATIONAL ENVIRONMENTAL LABORATORY APPROVAL CONFERENCE (NELAC)

New England Testing Laboratory is certified under the National Environmental Laboratory Approval Program (NELAP). This certification requires the following statements and certifications be included in our report.

This report shall not be reproduced, except in full, without written approval of the laboratory.

New England Testing certifies that the test results contained within this report meet all NELAC requirements except as detailed in the Case Narrative section of this report.

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on April 7, 2006. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. The case number for this sample submission is R0407-15.

Custody records are included in this report.

Site: Kansas St.
COC# 2382

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
MW-2A	4/6/06	Oil	Table II

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Polynuclear Aromatic Hydrocarbons	3580	8270C

These methods are documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA.

CASE NARRATIVE:

Sample Receipt:

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

Semivolatile Organics:

An abbreviated 8270C compound list (PAH's) was reported per client request.

The sample was prepared and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration and method blank were within method specified quality control criteria.

The detection limits for sample "MW-2A" have been elevated due to matrix interference. A large fuel pattern prevented resolution of internal standards when attempting to analyze this sample at lower detection limits.

Sample Results

RESULTS: SEMIVOLATILE ORGANIC COMPOUNDS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0407-15
Client Name: Knoll Environmental
Method: 8270
Lab Sample ID: MW-2A
Matrix: (soil/water/air) SOIL
Lab File ID: APR1303.D
Sample wt/vol: 1.024 (g/ml) G
Date Sampled: 4/6/2006
Level: (low/med) LOW
Date Extracted: 4/10/2006
% Moisture: 0
Date Analyzed: 4/13/2006
Concentrated Extract Volume: 10000 (uL)
Dilution Factor: 10.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
91-20-3	Naphthalene	98000	U
91-57-6	2-Methylnaphthalene	98000	U
208-96-8	Acenaphthylene	98000	U
83-32-9	Acenaphthene	98000	U
132-64-9	Dibenzofuran	98000	U
86-73-7	Fluorene	98000	U
85-01-8	Phenanthrene	98000	U
120-12-7	Anthracene	98000	U
206-44-0	Fluoranthene	98000	U
129-00-0	Pyrene	98000	U
56-55-3	Benzo(a)anthracene	98000	U
218-01-9	Chrysene	98000	U
205-99-2	Benzo(b)fluoranthene	98000	U
207-08-9	Benzo(k)fluoranthene	98000	U
50-32-8	Benzo(a)pyrene	98000	U
193-39-5	Indeno(1,2,3-cd)pyrene	98000	U
53-70-3	Dibenz(a,h)anthracene	98000	U
191-24-2	Benzo(g,h,i)perylene	98000	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

NETLLAB

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0407-15
Client Name: Knoll Environmental
Method: 8270
Lab Sample ID: SBLK060410
Matrix: (soil/water/air) SOIL
Lab File ID: APR1016.D
Sample wt/vol: 1 (g/ml) G
Date Sampled: 4/6/2006
Level: (low/med) LOW
Date Extracted: 4/10/2006
% Moisture: 0
Date Analyzed: 4/10/2006
Concentrated Extract Volume: 10000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
91-20-3	Naphthalene	10000	U
91-57-6	2-Methylnaphthalene	10000	U
208-96-8	Acenaphthylene	10000	U
83-32-9	Acenaphthene	10000	U
132-64-9	Dibenzofuran	10000	U
86-73-7	Fluorene	10000	U
85-01-8	Phenanthrene	10000	U
120-12-7	Anthracene	10000	U
206-44-0	Fluoranthene	10000	U
129-00-0	Pyrene	10000	U
56-55-3	Benzo(a)anthracene	10000	U
218-01-9	Chrysene	10000	U
205-99-2	Benzo(b)fluoranthene	10000	U
207-08-9	Benzo(k)fluoranthene	10000	U
50-32-8	Benzo(a)pyrene	10000	U
193-39-5	Indeno(1,2,3-cd)pyrene	10000	U
53-70-3	Dibenz(a,h)anthracene	10000	U
191-24-2	Benzo(g,h,i)perylene	10000	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

2D
OIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: New England Testing Lab Case No.: R0407-15

Lab Code: RI010 Client Name: Knoll Environmental

Level: (low/med) LOW

	Sample ID	S1 #	S2 #	S3 #	TOT OUT
01	SBLK060410	105	96	95	0
02	MW-2A	104	88	128	0

			QC LIMITS
S1	=	Nitrobenzene-d5	(30-128)
S2	=	2-Fluorobiphenyl	(21-139)
S3	=	Terphenyl-d14	(29-187)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

New England Testing Laboratory,

Custody Records

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

R0407-15.

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
Fax: (781) 449-1623

Turn Around Time: NORMAL
Due Date:

Project Name: Kansas St.

COC# 2382

PO# 8314

Comments:

Collected By: Momin

Sample ID	Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 (PAH's)	VPH (TPH)	EPH (TPH)	RCRA 8 ☐Dissolved ☐Total	8080 (PCB)	Amrec Specs	Bardon Trimount	ESMI Specs	Asb. by PLM
MW-2A	4-6-07	oil	HCL	1				X								

Relinquished By: Momin Date/Time: 4-7-06
Relinquished By: Date/Time:
Relinquished By: Date/Time:

Received By: Date/Time: 4/7-06
Received By: Lynn Smith 4/7/06 2:45
Received By; Date/Time:

GW=Ground Water S=Sediments/Soil WW=Waste Water

F/Formats/Misc Office Forms/Chain of Custody

GeoLabs, Inc.

Environmental Laboratories

LABORATORY REPORT

PREPARED FOR:

Knoll Environmental, Inc.
69 Wexford Street
Needham, MA 02494

Attn: Momin

PROJECT ID:	104 Kansas
GEOLABS CERTIFICATION #:	M-MA015
SAMPLE NUMBER:	0508168 (001-008)
DATE PREPARED:	August 19, 2005
PREPARED BY:	Christine Johnson
APPROVED BY:	Jim Chen, Laboratory Director

GeoLabs, Inc.
Environmental Laboratories

MADEP MCP Response Action Analytical Report Certification Form

Laboratory Name:	GeoLabs, Inc.	Project #:	104
Project Location:	Kansas	MADEP RTN:	

This form provides certifications for the following data set: 0508168 (001-008)

Sample matrices: Groundwater (x) Soil / Sediment ( ) Drinking Water ( ) Other ( )

MCP SW-846 Methods Used	8260B ( )	8151A ( )	8330 ( )	6010B ( )	7470/1A ( )	Other: ( )
	8270C ( )	8081A ( )	VPH (x)	6020 ( )	9014M[2] ( )	
	8082 ( )	8021B ( )	EPH (x)	7000 S[3] ( )		

As specified in MADEP Compendium of Analytical Methods (Check all that apply)

1- List Release Tracking Number (RTN), if known
2- M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Meth
3- S - SW-846 Methods 7000 Series (List individual method and analyte)

An affirmative response to questions A, B, and C is required for "*Presumptive Certainty*" status

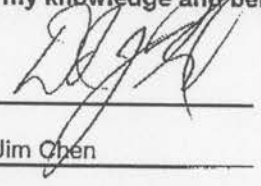
A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	Yes (x)	No[1] ( )
B	Were all QA/QC procedures required for the specified analytical method(included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (x)	No[1] ( )
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP documents CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	Yes (x)	No[1] ( )

A response to questions D and E below is required for "*Presumptive Certainty*" status

D	Were all QC performance standards and recommendations for the specified methods achieved?	Yes (x)	No[1] ( )
E	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes (x)	No[1] ( )

[1]All NO answeres must be addressed in an attached Environmental Laboratory case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:  Position: Lab Director

Printed Name: Jim Chen Date: August 19, 2005

GeoLabs, Inc.

Environmental Laboratories

Case Narrative

Project ID: 104
Client Name: Knoll Environmental, Inc.

Sample Number: 0508168 (001-008)
Received: 08/11/05

Physical Condition of Samples

This project was received by the laboratory in satisfactory condition. The sample(s) were received undamaged, in appropriate containers with the correct preservation.

Project Documentation

This project was accompanied by satisfactory Chain of Custody documentation. The sample container label(s) agreed with the Chain of Custody.

Analysis of Sample(s)

No analytical anomalies or non-conformances were noted by the laboratory during the processing of these sample(s).

GeoLabs, Inc.
Environmental Laboratories

SAMPLE INFORMATION

Matrix	☒ Aqueous ☐ Soil ☐ Sediment ☐ Other
Containers	☒ Satisfactory ☐ Broken ☐ Leaking
Aqueous Preservative	☐ N/A ☒ pH ≤ 2 ☐ pH > 2 Comment:
Temperature	☒ Received on ice ☐ Received at 4° C ☐ Other
Extraction Method	Water: Separatory Funnel Soil:

FULL EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 04-1.1
Method for Target Analyte: 8270 GC/MS
Method for PAH Targets: GC/MS
EPH Surrogate Standards:
Aliphatic COD
Aromatic OTP
EPH Fractionation Surrogates
2-Fluorobiphenyl
2-Bromonaphthalene

	Client ID:			KNOLL-10	KNOLL-12
	Lab ID:			001	002
	Date Collected:			08/08/05	08/08/05
	Date Received:			08/11/05	08/11/05
	Date Extracted:			08/12/05	08/12/05
	Date Fractions Analyzed:			08/17/05	08/17/05
	Date Targets Analyzed:			08/18/05	08/18/05
	Dilution Factor:			1.0	1.0
	Total solids (%):			N/A	N/A
Range/Target Analyte		RL	Units		
Unadjusted C_{11}-C_{22} Aromatics[1]		100	(µg/L)	ND	ND
Diesel PAH Analytes	Naphthalene	1.00	(µg/L)	ND	ND
	2-Methylnaphthalene	1.00	(µg/L)	ND	ND
	Acenaphthene	1.00	(µg/L)	ND	ND
	Phenanthrene	1.00	(µg/L)	ND	ND
Other Target PAH Analytes	Acenaphthylene	1.00	(µg/L)	ND	ND
	Fluorene	1.00	(µg/L)	ND	ND
	Anthracene	1.00	(µg/L)	ND	ND
	Fluoranthene	1.00	(µg/L)	ND	ND
	Pyrene	1.50	(µg/L)	ND	ND
	Benz[a]Anthracene	1.00	(µg/L)	ND	ND
	Chrysene	1.00	(µg/L)	ND	ND
	Benzo[b]Fluoranthene	1.00	(µg/L)	ND	ND
	Benzo[k]Fluoranthene	0.120	(µg/L)	ND	ND
	Benzo[a]Pyrene	0.080	(µg/L)	ND	ND
	Indeno[1,2,3-c,d]Pyrene	0.240	(µg/L)	ND	ND
	Dibenzo[a,h]Anthracene	0.500	(µg/L)	ND	ND
	Benzo[g,h,i]Perylene	1.50	(µg/L)	ND	ND
C9-C18 Aliphatic Hydrocarbons[1]		100	(µg/L)	ND	ND
C19-C36 Aliphatic Hydrocarbons[1]		100	(µg/L)	ND	ND
C_{11}-C_{22} Aromatic Hydrocarbons[1,2]		100	(µg/L)	ND	ND
Aliphatic Surrogate % Recovery (COD)				54%	42%
Aromatic Surrogate % Recovery (OTP)				76%	43%
Sample Surrogate Acceptance Range				40-140%	40-140%
2,2'-Difluorobiphenyl % Recovery				77%	48%
2-Fluorobiphenyl % Recovery				62%	46%
Fractionation Surrogate Acceptance Range				40-140%	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C_{11}-C_{22} Aromatic Hydrocarbons exclude concentrations of Target PAH Analytes.

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? ☒ Yes ☐ No - Details attached
Were all performance/acceptance standards acheived? ☒ Yes ☐ No - Details attached
Were any significant modifications made to the EPH method?? ☒ No ☐ Yes - Details attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: POSITION: Lab Director

PRINTED NAME: Jim Chen DATE: 8/19/2005

GeoLabs, Inc.
Environmental Laboratories

SAMPLE INFORMATION

Matrix	☒ Aqueous ☐ Soil ☐ Sediment ☐ Other
Containers	☒ Satisfactory ☐ Broken ☐ Leaking
Aqueous Preservative	☐ N/A ☒ pH ≤ 2 ☐ pH > 2 Comment:
Temperature	☒ Received on ice ☐ Received at 4° C ☐ Other
Extraction Method	Water: Separatory Funnel Soil:

FULL EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 04-1.1
Method for Target Analyte: 8270 GC/MS
Method for PAH Targets: GC/MS
EPH Surrogate Standards:
Aliphatic COD
Aromatic OTP
EPH Fractionation Surrogates
2-Fluorobiphenyl
2-Bromonaphthalene

			Client ID:	KNOLL-13		
			Lab ID:	003		
			Date Collected:	08/08/05		
			Date Received:	08/11/05		
			Date Extracted:	08/12/05		
			Date Fractions Analyzed:	08/17/05		
			Date Targets Analyzed:	08/18/05		
			Dilution Factor:	1.0 / 5.0*		
			Total solids (%):	N/A		
Range/Target Analyte		RL	Units			
Unadjusted C_{11}-C_{22} Aromatics[1]		100	(µg/L)	**6780**		
Diesel PAH Analytes	Naphthalene	1.00	(µg/L)	ND		
	2-Methylnaphthalene	1.00	(µg/L)	ND		
	Acenaphthene	1.00	(µg/L)	ND		
	Phenanthrene	1.00	(µg/L)	ND		
Other Target PAH Analytes	Acenaphthylene	1.00	(µg/L)	ND		
	Fluorene	1.00	(µg/L)	ND		
	Anthracene	1.00	(µg/L)	ND		
	Fluoranthene	1.00	(µg/L)	ND		
	Pyrene	1.50	(µg/L)	ND		
	Benz[a]Anthracene	1.00	(µg/L)	ND		
	Chrysene	1.00	(µg/L)	ND		
	Benzo[b]Fluoranthene	1.00	(µg/L)	ND		
	Benzo[k]Fluoranthene	0.120	(µg/L)	ND		
	Benzo[a]Pyrene	0.080	(µg/L)	ND		
	Indeno[1,2,3-c,d]Pyrene	0.240	(µg/L)	ND		
	Dibenzo[a,h]Anthracene	0.500	(µg/L)	ND		
	Benzo[g,h,i]Perylene	1.50	(µg/L)	ND		
C9-C18 Aliphatic Hydrocarbons[1]		100	(µg/L)	**710**		
C19-C36 Aliphatic Hydrocarbons[1]		500 *	(µg/L)	**15200**		
C11-C22 Aromatic Hydrocarbons[1,2]		100	(µg/L)	**6780**		
Aliphatic Surrogate % Recovery (COD)				71%		
Aromatic Surrogate % Recovery (OTP)				94%		
Sample Surrogate Acceptance Range				40-140%		
2,2'-Difluorobiphenyl % Recovery				69%		
2-Fluorobiphenyl % Recovery				57%		
Fractionation Surrogate Acceptance Range				40-140%		

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C_{11}-C_{22} Aromatic Hydrocarbons exclude concentrations of Target PAH Analytes.

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? ☒ Yes ☐ No - Details attached
Were all performance/acceptance standards acheived? ☒ Yes ☐ No - Details attached
Were any significant modifications made to the EPH method?? ☒ No ☐ Yes - Details attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: POSITION: Lab Director

PRINTED NAME: Jim Chen DATE: 8/19/2005

GeoLabs, Inc.
Environmental Laboratories

SAMPLE INFORMATION

Matrix	☒ Aqueous ☐ Soil ☐ Sediment ☐ Other
Containers	☒ Satisfactory ☐ Broken ☐ Leaking
Aqueous Preservative	☐ N/A ☒ pH ≤ 2 ☐ pH > 2 Comment:
Temperature	☒ Received on ice ☐ Received at 4° C ☐ Other
Extraction Method	Water: Separatory Funnel Soil:

FULL EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 04-1.1
Method for Target Analyte: 8270 GC/MS
Method for PAH Targets: GC/MS
EPH Surrogate Standards:
Aliphatic COD
Aromatic OTP
EPH Fractionation Surrogates
2-Fluorobiphenyl
2-Bromonaphthalene

		Client ID:		KNOLL-14
		Lab ID:		004
		Date Collected:		08/08/05
		Date Received:		08/11/05
		Date Extracted:		08/12/05
		Date Fractions Analyzed:		08/17/05
		Date Targets Analyzed:		08/18/05
		Dilution Factor:		1.0
		Total solids (%):		N/A
Range/Target Analyte		RL	Units	
Unadjusted C11-C22 Aromatics[1]		100	(µg/L)	ND
Diesel PAH Analytes	Naphthalene	1.00	(µg/L)	ND
	2-Methylnaphthalene	1.00	(µg/L)	ND
	Acenaphthene	1.00	(µg/L)	ND
	Phenanthrene	1.00	(µg/L)	ND
Other Target PAH Analytes	Acenaphthylene	1.00	(µg/L)	ND
	Fluorene	1.00	(µg/L)	ND
	Anthracene	1.00	(µg/L)	ND
	Fluoranthene	1.00	(µg/L)	ND
	Pyrene	1.50	(µg/L)	ND
	Benz[a]Anthracene	1.00	(µg/L)	ND
	Chrysene	1.00	(µg/L)	ND
	Benzo[b]Fluoranthene	1.00	(µg/L)	ND
	Benzo[k]Fluoranthene	0.120	(µg/L)	ND
	Benzo[a]Pyrene	0.080	(µg/L)	ND
	Indeno[1,2,3-c,d]Pyrene	0.240	(µg/L)	ND
	Dibenzo[a,h]Anthracene	0.500	(µg/L)	ND
	Benzo[g,h,i]Perylene	1.50	(µg/L)	ND
C9-C18 Aliphatic Hydrocarbons[1]		100	(µg/L)	ND
C19-C36 Aliphatic Hydrocarbons[1]		100	(µg/L)	ND
C11-C22 Aromatic Hydrocarbons[1,2]		100	(µg/L)	ND
Aliphatic Surrogate % Recovery (COD)				56%
Aromatic Surrogate % Recovery (OTP)				66%
Sample Surrogate Acceptance Range				40-140%
2,2'-Difluorobiphenyl % Recovery				79%
2-Fluorobiphenyl % Recovery				61%
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C_{11}-C_{22} Aromatic Hydrocarbons exclude concentrations of Target PAH Analytes.

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? ☒ Yes ☐ No - Details attached
Were all performance/acceptance standards acheived? ☒ Yes ☐ No - Details attached
Were any significant modifications made to the EPH method?? ☒ No ☐ Yes - Details attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: POSITION: Lab Director

PRINTED NAME: Jim Chen DATE: 8/19/2005

GeoLabs, Inc.
Environmental Laboratories

SAMPLE INFORMATION

Matrix	☒ Aqueous ☐ Soil ☐ Sediment ☐ Other
Containers	☒ Satisfactory ☐ Broken ☐ Leaking
Aqueous Preservative	☐ N/A ☒ pH ≤ 2 ☐ pH > 2 Comment:
Temperature	☒ Received on ice ☐ Received at 4° C ☐ Other
Extraction Method	Water: Separatory Funnel Soil:

FULL EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 04-1.1
Method for Target Analyte: 8270 GC/MS
Method for PAH Targets: GC/MS
EPH Surrogate Standards:
Aliphatic COD
Aromatic OTP
EPH Fractionation Surrogates
2-Fluorobiphenyl
2-Bromonaphthalene

Client ID:				KNOLL-15
Lab ID:				005
Date Collected:				08/08/05
Date Received:				08/11/05
Date Extracted:				08/12/05
Date Fractions Analyzed:				08/17/05
Date Targets Analyzed:				08/18/05
Dilution Factor:				1.0 / 5.0*
Total solids (%):				N/A
Range/Target Analyte		RL	Units	
Unadjusted C_{11}-C_{22} Aromatics[1]		100	(µg/L)	**6930**
Diesel PAH Analytes	Naphthalene	1.00	(µg/L)	ND
	2-Methylnaphthalene	1.00	(µg/L)	ND
	Acenaphthene	1.00	(µg/L)	ND
	Phenanthrene	1.00	(µg/L)	ND
Other Target PAH Analytes	Acenaphthylene	1.00	(µg/L)	ND
	Fluorene	1.00	(µg/L)	ND
	Anthracene	1.00	(µg/L)	ND
	Fluoranthene	1.00	(µg/L)	ND
	Pyrene	1.50	(µg/L)	ND
	Benz[a]Anthracene	1.00	(µg/L)	ND
	Chrysene	1.00	(µg/L)	ND
	Benzo[b]Fluoranthene	1.00	(µg/L)	ND
	Benzo[k]Fluoranthene	0.120	(µg/L)	ND
	Benzo[a]Pyrene	0.080	(µg/L)	ND
	Indeno[1,2,3-c,d]Pyrene	0.240	(µg/L)	ND
	Dibenzo[a,h]Anthracene	0.500	(µg/L)	ND
	Benzo[g,h,i]Perylene	1.50	(µg/L)	ND
C_9-C_{18} Aliphatic Hydrocarbons[1]		100	(µg/L)	**280**
C_{19}-C_{36} Aliphatic Hydrocarbons[1]		500 *	(µg/L)	**8300**
C_{11}-C_{22} Aromatic Hydrocarbons[1,2]		100	(µg/L)	**6930**
Aliphatic Surrogate % Recovery (COD)				49%
Aromatic Surrogate % Recovery (OTP)				82%
Sample Surrogate Acceptance Range				40-140%
2,2'-Difluorobiphenyl % Recovery				63%
2-Fluorobiphenyl % Recovery				47%
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C_{11}-C_{22} Aromatic Hydrocarbons exclude concentrations of Target PAH Analytes.

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? ☒ Yes ☐ No - Details attached
Were all performance/acceptance standards acheived? ☒ Yes ☐ No - Details attached
Were any significant modifications made to the EPH method?? ☒ No ☐ Yes - Details attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: POSITION: Lab Director

PRINTED NAME: Jim Chen DATE: 8/19/2005

GeoLabs, Inc.
Environmental Laboratories

SAMPLE INFORMATION

Matrix	☒ Aqueous ☐ Soil ☐ Sediment ☐ Other
Containers	☒ Satisfactory ☐ Broken ☐ Leaking
Aqueous Preservative	☐ N/A ☒ pH ≤ 2 ☐ pH > 2 Comment:
Temperature	☒ Received on ice ☐ Received at 4° C ☐ Other
Extraction Method	Water: Separatory Funnel Soil:

FULL EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 04-1.1
Method for Target Analyte: 8270 GC/MS
Method for PAH Targets: GC/MS
EPH Surrogate Standards:
Aliphatic COD
Aromatic OTP
EPH Fractionation Surrogates
2-Fluorobiphenyl
2-Bromonaphthalene

				Client ID:	KNOLL-16	KNOLL-17	KNOLL-18
				Lab ID:	006	007	008
				Date Collected:	08/08/05	08/08/05	08/08/05
				Date Received:	08/11/05	08/11/05	08/11/05
				Date Extracted:	08/12/05	08/12/05	08/12/05
				Date Fractions Analyzed:	08/17/05	08/17/05	08/17/05
				Date Targets Analyzed:	08/18/05	08/18/05	08/18/05
				Dilution Factor:	1.0	1.0	1.0
				Total solids (%):	N/A	N/A	N/A
Range/Target Analyte		RL	Units				
Unadjusted C11-C22 Aromatics[1]		100	(µg/L)		ND	ND	ND
Diesel PAH Analytes	Naphthalene	1.00	(µg/L)		ND	ND	ND
	2-Methylnaphthalene	1.00	(µg/L)		ND	ND	ND
	Acenaphthene	1.00	(µg/L)		ND	ND	ND
	Phenanthrene	1.00	(µg/L)		ND	ND	ND
Other Target PAH Analytes	Acenaphthylene	1.00	(µg/L)		ND	ND	ND
	Fluorene	1.00	(µg/L)		ND	ND	ND
	Anthracene	1.00	(µg/L)		ND	ND	ND
	Fluoranthene	1.00	(µg/L)		ND	ND	ND
	Pyrene	1.50	(µg/L)		ND	ND	ND
	Benz[a]Anthracene	1.00	(µg/L)		ND	ND	ND
	Chrysene	1.00	(µg/L)		ND	ND	ND
	Benzo[b]Fluoranthene	1.00	(µg/L)		ND	ND	ND
	Benzo[k]Fluoranthene	0.120	(µg/L)		ND	ND	ND
	Benzo[a]Pyrene	0.080	(µg/L)		ND	ND	ND
	Indeno[1,2,3-c,d]Pyrene	0.240	(µg/L)		ND	ND	ND
	Dibenzo[a,h]Anthracene	0.500	(µg/L)		ND	ND	ND
	Benzo[g,h,i]Perylene	1.50	(µg/L)		ND	ND	ND
C9-C18 Aliphatic Hydrocarbons[1]		100	(µg/L)		ND	ND	ND
C19-C36 Aliphatic Hydrocarbons[1]		100	(µg/L)		ND	ND	ND
C11-C22 Aromatic Hydrocarbons[1,2]		100	(µg/L)		ND	ND	ND
Aliphatic Surrogate % Recovery (COD)					57%	43%	42%
Aromatic Surrogate % Recovery (OTP)					82%	67%	49%
Sample Surrogate Acceptance Range					40-140%	40-140%	40-140%
2,2'-Difluorobiphenyl % Recovery					70%	59%	55%
2-Fluorobiphenyl % Recovery					51%	47%	46%
Fractionation Surrogate Acceptance Range					40-140%	40-140%	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C_{11}-C_{22} Aromatic Hydrocarbons exclude concentrations of Target PAH Analytes.

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? ☒ Yes ☐ No - Details attached
Were all performance/acceptance standards acheived? ☒ Yes ☐ No - Details attached
Were any significant modifications made to the EPH method?? ☒ No ☐ Yes - Details attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: POSITION: Lab Director

PRINTED NAME: Jim Chen DATE: 8/19/2005

GeoLabs, Inc.
Environmental Laboratories

EPH - QC - Ranges
EXTRACTABLE PETROLEUM HYDROCARBONS

	QC RESULTS						
	Method Blank	MDL (µg/L)	Spike % Recovery 1	Spike % Recovery 2		RPD	%
*c9-c18 Aliphatics	69.3	100	45.9	40.3	40-140	8.4	≤ 50
c19-c36 Aliphatics	41.8	100	88.1	84.9	40-140	3.2	≤ 50
c11-c22 Aromatics	51.8	100	58	60.8	40-140	4.3	≤ 50

Surrogate % Recovery:

COD	74%	40-140	83%	75%	40-140	10.30%	≤ 50
OTP	69%	40-140	77%	74%	40-140	8.30%	≤ 50

EPH - QC Target Analyte
EXTRACTABLE PETROLEUM HYDROCARBONS

	QC RESULTS			
	Method Blank	Spike % Recovery 1	Spike % Recovery 2	Limits %
Acenaphthene	ND	43%	49%	40-140%
Phenanthrene	ND	77%	78%	40-140%
Pyrene	ND	84%	80%	40-140%
Chrysene	ND	87%	84%	40-140%
Indeno [1,2,3-cd] pyrene	ND	69%	71%	40-140%

GeoLabs, Inc.
Environmental Laboratories

SAMPLE INFORMATION

Matrix	☒ Aqueous ☐ Soil ☐ Sediment ☐ Other		
Containers	☒ Satisfactory ☐ Broken ☐ Leaking		
Sample Preservative	Aqueous	☐ N/A ☒ pH ≤ 2 ☐ pH > 2 Comment:	
	Soil or Sediment	☐ N/A ☐ Samples NOT preserved in MeOH or air-tight containers	ml MeOH
		☐ Samples received in MeOH ☐ Covering soil ? ☐ Not	☐1:1±25%
		☐ Received in air tight container	☐ Other
Temperature	☒ Received on ice ☐ Received at 4° C ☐ Other		

VPH ANALYTICAL RESULTS	Client ID:	KNOLL-10	KNOLL-12	KNOLL-13
Method for Ranges: MADEP VPH 04-1.1	Lab ID:	001	002	003
Method for Target Analytes: MADEP VPH 04-1.1	Date Collected:	08/08/05	08/08/05	08/08/05
VPH Surrogate Standards	Date Received:	08/11/05	08/11/05	08/11/05
PID (2,5-Dibromotoluene)	Date Analyzed:	08/12/05	08/12/05	08/12/05
FID (2,5-Dibromotoluene)	Dilution Factor:	1.0	1.0	1.0
	Total solids (%):	N/A	N/A	N/A

Range/Target Analyte	Elut. Range	RL	Units			
Unadjusted C_5-C_8 Aliphatics[1]	N/A	75	ug/L	ND	ND	ND
Unadjusted C_9-C_{12} Aliphatics[1]	N/A	75	ug/L	ND	ND	ND
Methyl tert-butyl ether	C_5-C_8 Aliph.	5	ug/L	ND	ND	ND
Benzene	C_5-C_8 Aliph.	5	ug/L	ND	ND	ND
Toluene	C_5-C_8 Aliph.	5	ug/L	ND	ND	ND
Ethylbenzene	C_9-C_{12} Aliph.	5	ug/L	ND	ND	ND
m&p-Xylenes	C_9-C_{12} Aliph.	5	ug/L	ND	ND	ND
o-Xylene	C_9-C_{12} Aliph.	5	ug/L	ND	ND	ND
Naphthalene	N/A	20	ug/L	ND	ND	ND
C_5-C_8 Aliphatic Hydrocarbons[1,2]	N/A	75	ug/L	ND	ND	ND
C_9-C_{12} Aliphatic Hydrocarbons[1,3]	N/A	75	ug/L	ND	ND	ND
C_9-C_{10} Aromatic Hydrocarbons[1]	C_9-C_{12} Aliph.	75	ug/L	ND	ND	ND
2,5-Dibromotoluene (PID) Surrogate Recovery				114%	113%	117%
2,5-Dibromotoluene (FID) Surrogate Recovery				108%	109%	115%
Surrogate Acceptance Range				70-130%	70-130%	70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C_5-C_8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C_9-C_{12} Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C_9-C_{10} Aromatic Hydrocarbons

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? ☒ Yes ☐ No - Details attached
Were all QA/QC performance /acceptance standards achieved? ☒ Yes ☐ No - Details attached
Were any significant modifications made to the VPH method, as specified in Sect 11.3.? ☒ No

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immedately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge, accurate and complete.

SIGNATURE: _____ POSITION: Lab Director

PRINTED NAME: Jim Chen DATE: 08/19/05

GeoLabs, Inc.
Environmental Laboratories

SAMPLE INFORMATION

Matrix	☒ Aqueous ☐ Soil ☐ Sediment ☐ Other		
Containers	☒ Satisfactory ☐ Broken ☐ Leaking		
Sample Preservative	Aqueous	☐ N/A ☒ pH ≤ 2 ☐ pH > 2 Comment:	
	Soil or Sediment	☐ N/A ☐ Samples NOT preserved in MeOH or air-tight containers	ml MeOH
		☐ Samples received in MeOH ☐ Covering soil ? ☐ Not	☐1:1±25%
		☐ Received in air tight container	☐ Other
Temperature	☒ Received on ice ☐ Received at 4° C ☐ Other		

VPH ANALYTICAL RESULTS	Client ID:	KNOLL-14	KNOLL-15	KNOLL-16
Method for Ranges: MADEP VPH 04-1.1	Lab ID:	004	005	006
Method for Target Analytes: MADEP VPH 04-1.1	Date Collected:	08/08/05	08/08/05	08/08/05
VPH Surrogate Standards	Date Received:	08/11/05	08/11/05	08/11/05
PID (2,5-Dibromotoluene)	Date Analyzed:	08/12/05	08/12/05	08/12/05
FID (2,5-Dibromotoluene)	Dilution Factor:	1.0	1.0	1.0
	Total solids (%):	N/A	N/A	N/A

Range/Target Analyte	Elut. Range	RL	Units			
Unadjusted C_5-C_8 Aliphatics[1]	N/A	75	ug/L	ND	ND	ND
Unadjusted C_9-C_{12} Aliphatics[1]	N/A	75	ug/L	ND	ND	ND
Methyl tert-butyl ether	C_5-C_8 Aliph.	5	ug/L	ND	ND	ND
Benzene	C_5-C_8 Aliph.	5	ug/L	ND	ND	ND
Toluene	C_5-C_8 Aliph.	5	ug/L	ND	ND	ND
Ethylbenzene	C_9-C_{12} Aliph.	5	ug/L	ND	ND	ND
m&p-Xylenes	C_9-C_{12} Aliph.	5	ug/L	ND	ND	ND
o-Xylene	C_9-C_{12} Aliph.	5	ug/L	ND	ND	ND
Naphthalene	N/A	20	ug/L	ND	ND	ND
C_5-C_8 Aliphatic Hydrocarbons[1,2]	N/A	75	ug/L	ND	ND	ND
C_9-C_{12} Aliphatic Hydrocarbons[1,3]	N/A	75	ug/L	ND	ND	ND
C_9-C_{10} Aromatic Hydrocarbons[1]	C_9-C_{12} Aliph.	75	ug/L	ND	ND	ND
2,5-Dibromotoluene (PID) Surrogate Recovery				117%	117%	116%
2,5-Dibromotoluene (FID) Surrogate Recovery				113%	115%	117%
Surrogate Acceptance Range				70-130%	70-130%	70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C_5-C_8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C_9-C_{12} Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C_9-C_{10} Aromatic Hydrocarbons

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? ☒ Yes ☐ No - Details attached
Were all QA/QC performance /acceptance standards achieved? ☒ Yes ☐ No - Details attached
Were any significant modifications made to the VPH method, as specified in Sect 11.3.? ☒ No

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immedately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge, accurate and complete.

SIGNATURE: _____ POSITION: Lab Director

PRINTED NAME: Jim Chen DATE: 08/19/05

GeoLabs, Inc.
Environmental Laboratories

SAMPLE INFORMATION

Matrix	☒ Aqueous ☐ Soil ☐ Sediment ☐ Other		
Containers	☒ Satisfactory ☐ Broken ☐ Leaking		
Sample Preservative	Aqueous	☐ N/A ☒ pH ≤ 2 ☐ pH > 2 Comment:	
	Soil or Sediment	☐ N/A ☐ Samples NOT preserved in MeOH or air-tight containers	ml MeOH
		☐ Samples received in MeOH ☐ Covering soil ? ☐ Not	☐1:1±25%
		☐ Received in air tight container	☐ Other
Temperature	☒ Received on ice ☐ Received at 4° C ☐ Other		

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH 04-1.1
Method for Target Analytes: MADEP VPH 04-1.1
VPH Surrogate Standards
PID (2,5-Dibromotoluene)
FID (2,5-Dibromotoluene)

			Client ID:	KNOLL-17	KNOLL-18	
			Lab ID:	007	008	
			Date Collected:	08/08/05	08/08/05	
			Date Received:	08/11/05	08/11/05	
			Date Analyzed:	08/12/05	08/12/05	
			Dilution Factor:	1.0	1.0	
			Total solids (%):	N/A	N/A	
Range/Target Analyte	Elut. Range	RL	Units			
Unadjusted C_5-C_8 Aliphatics[1]	N/A	75	ug/L	ND	ND	
Unadjusted C_9-C_{12} Aliphatics[1]	N/A	75	ug/L	ND	ND	
Methyl tert-butyl ether	C_5-C_8 Aliph.	5	ug/L	ND	ND	
Benzene	C_5-C_8 Aliph.	5	ug/L	ND	ND	
Toluene	C_5-C_8 Aliph.	5	ug/L	ND	ND	
Ethylbenzene	C_9-C_{12} Aliph.	5	ug/L	ND	ND	
m&p-Xylenes	C_9-C_{12} Aliph.	5	ug/L	ND	ND	
o-Xylene	C_9-C_{12} Aliph.	5	ug/L	ND	ND	
Naphthalene	N/A	20	ug/L	ND	ND	
C_5-C_8 Aliphatic Hydrocarbons[1,2]	N/A	75	ug/L	ND	ND	
C_9-C_{12} Aliphatic Hydrocarbons[1,3]	N/A	75	ug/L	ND	ND	
C_9-C_{10} Aromatic Hydrocarbons[1]	C_9-C_{12} Aliph.	75	ug/L	ND	ND	
2,5-Dibromotoluene (PID) Surrogate Recovery				119%	111%	
2,5-Dibromotoluene (FID) Surrogate Recovery				118%	108%	
Surrogate Acceptance Range				70-130%	70-130%	

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C_5-C_8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range
[3]C_9-C_{12} Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C_9-C_{10} Aromatic Hydrocarbons

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? ☒ Yes ☐ No - Details attached
Were all QA/QC performance /acceptance standards achieved? ☒ Yes ☐ No - Details attached
Were any significant modifications made to the VPH method, as specified in Sect 11.3.? ☒ No

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immedately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge, accurate and complete.

SIGNATURE: _____ POSITION: Lab Director

PRINTED NAME: Jim Chen DATE: 08/19/05

GeoLabs, Inc.
Environmental Laboratories

Matrix: Water µg/L	LCS %	Limit	BLANK
MTBE	104%	70-130%	ND
Benzene	97%	70-130%	ND
Toluene	108%	70-130%	ND
Ethyl Benzene	101%	70-130%	ND
m,p-xylene	117%	70-130%	ND
o-xylene	107%	70-130%	ND
Naphthalene	109%	70-130%	ND
Surrogate Recoveries:			
2,5-Dibromotoluene (PID)	122%		117%
2,5-Dibromotoluene (FID)	117%		115%

GEOLABS, INC.
45 JOHNSON LANE
BRAINTREE, MA 02184
M-MA015

LIMITATIONS & EXCLUSIONS

All the professional opinions presented in this report are based solely on the scope of work conducted and sources referred to in our report. The data presented by GeoLabs in this report was collected and analyzed using generally accepted industry methods and practices at the time the report was generated. This report represents the conditions, locations and materials that were observed at the time the work was conducted. No inferences regarding other conditions, locations or materials, at a later or earlier time may be made based on the contents of the report. No other warranty, express or implied is made.

This report was prepared for the sole use of our client. Portions of the report may not be used independent of the entire report.

All analyses were performed within required holding times, in accordance with EPA protocols and using accepted QA/QC procedures. All QA/QC meets acceptable limits unless otherwise noted. The information contained in this report is, to the best of my knowledge, accurate and complete.

Any and all subsequent pages of this report are chain(s) of custody.

5

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY 1

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
Fax: (781) 449-1623

Turn Around Time: 5 DAY
Due Date:

Project Name: KANSAS

COC# 104

PO# 104

Comments:

Collected By: JOD/MU

20

Sample ID	Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 (PAH's)	VPH (TPH)	EPH (TPH) 42	RCRA 8 ☐Dissolved ☐Total	8080 (PCB)	Amrec Specs	Barden Trimount	ESMI Specs	Asb. by PLM
KNOL-10	8.8.05	H_2O	HCl	3					X	X	8168	-001				
KNOL-12				3					X	X		-002				
KNOL-13				3					X	X		-003				
KNOL-14				3					X	X		-004				
KNOL-15				3					X	X		-005				
KNOL-16				3					X	X		-006				
KNOL-17				3					X	X		-007				
KNOL-18	↓	↓	↓	3					X	X		-008				

Relinquished By:	Date/Time:	Relinquished By:	Date/Time:	Relinquished By:	Date/Time:
JOD	8.8.05	[illegible]	8/11/05 12:15		
Received By:	**Date/Time:**	**Received By:**	**Date/Time:**	**Received By:**	**Date/Time:**
[illegible]	8/11/05 11:45	JM McAl	8/11/05 1615		

GW=Ground Water S=Sediments/Soil WW=Waste Water

F/Formats/Misc Office Forms/Chain of Custody

08/19/2005 FRI 14:15 FAX 1 781 848 7811 Geo Labs Inc 015/015

GeoLabs, Inc.

Environmental Laboratories

LABORATORY REPORT

PREPARED FOR:

Knoll Environmental, Inc.
69 Wexford Street
Needham, MA 02494

PROJECT ID: 2 Kansas Street

GEOLABS CERTIFICATION #: M-MA015

SAMPLE NUMBER: 0506425 (001-012)

DATE PREPARED: July 8, 2005

PREPARED BY: Karen Mullally

APPROVED BY:

Jim Chen, Laboratory Director

GeoLabs, Inc.
Environmental Laboratories

MADEP MCP Response Action Analytical Report Certification Form

Laboratory Name:	GeoLabs, Inc.	Project #:	2 Kansas Street
Project Location:	0	MADEP RTN:	

This form provides certifications for the following data set: 0506425 (001-012)

Sample matrices: Groundwater ( ) Soil / Sediment ( ) Drinking Water ( ) Other (x) Water

MCP SW-846 Methods Used	8260B (x)	8151A ( )	8330 ( )	6010B ( )	7470/1A ( )	Other: ( )
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )	
	8082 ( )	8021B ( )	EPH (x)	7000 S[3] ( )		

As specified in MADEP Compendium of Analytical Methods (Check all that apply)

1- List Release Tracking Number (RTN), if known
2- M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Meth
3- S - SW-846 Methods 7000 Series (List individual method and analyte)

An affirmative response to questions A, B, and C is required for "*Presumptive Certainty*" status

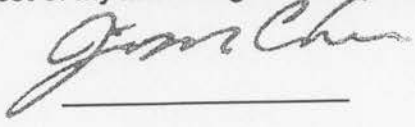
A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	Yes (x)	No[1] ( )
B	Were all QA/QC procedures required for the specified analytical method(included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (x)	No[1] ( )
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP documents CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	Yes (x)	No[1] ( )

A response to questions D and E below is required for "*Presumptive Certainty*" status

D	Were all QC performance standards and recommendations for the specified methods achieved?	Yes (x)	No[1] ( )
E	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes (x)	No[1] ( )

[1]All NO answeres must be addressed in an attached Environmental Laboratory case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:  Position: Lab Director

Printed Name: Jim Chen Date: July 8, 2005

GeoLabs, Inc.

Environmental Laboratories

Case Narrative

Project ID: 2 Kansas Street
Client Name: Knoll Environmental, Inc.

Sample Number: 0506425 (001-012)
Received: 06/28/05

Physical Condition of Samples

This project was received by the laboratory in satisfactory condition. The sample(s) were received undamaged, in appropriate containers with the correct preservation.

Project Documentation

This project was accompanied by satisfactory Chain of Custody documentation. The sample container label(s) agreed with the Chain of Custody.

Analysis of Sample(s)

No analytical anomalies or non-conformances were noted by the laboratory during the processing of these sample(s).

CLIENT NAME:	**Knoll Environmental**	PROJECT ID:	2 Kansas St.
SAMPLE TYPE:	WATER	REPORT DATE:	07/08/05
COLLECTION DATE:	06/27/05	ANALYZED BY:	MR
REC'D BY LAB:	06/28/05	ANALYSIS DATE:	07/07/05
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A
PRESERVATIVE:	HYDROCHLORIC ACID		

VOLATILE ORGANICS

SAMPLE NUMBER:	001	002	
SAMPLE LOCATION:	Knoll-9 (S)	Knoll-9(D)	
	RESULTS (µg/L)		**DETECTION LIMIT (µg/L)**
Acetone	ND	ND	50.0
Acrylonitrile	ND	ND	50.0
Benzene	ND	ND	5.0
Bromobenzene	ND	ND	5.0
Bromochloromethane	ND	ND	2.0
Bromoform	ND	ND	5.0
Bromomethane	ND	ND	2.00
2-Butanone	ND	ND	10.0
n-Butylbenzene	ND	ND	5.0
Carbon Tetrachloride	ND	ND	5.0
Chlorobenzene	ND	ND	5.0
Chloroethane	ND	ND	5.0
2-Chloroethylvinylether	ND	ND	5.0
Chloroform	ND	ND	5.0
Chloromethane	ND	ND	5.0
2-Chlorotoluene	ND	ND	5.0
4-Chlorotoluene	ND	ND	5.0
Dibromomethane	ND	ND	5.0
Dibromochloromethane	ND	ND	5.0
Dichlorobromomethane	ND	ND	5.0
Dichlorodifluoromethane	ND	ND	5.0
1,1-Dichloroethane	ND	ND	5.0
1,1-Dichloroethene	ND	ND	0.96
1,1-Dichloropropene	ND	ND	0.4
1,2-Dibromoethane	ND	ND	1.00
1,2-Dibromo-3-chloropropane	ND	ND	5.0
1,2-Dichlorobenzene	ND	ND	5.0
1,2-Dichloroethane	ND	ND	5.0
1,2-Dichloropropane	ND	ND	5.0
1,3-Dichlorobenzene	ND	ND	5.0
1,3-Dichloropropane	ND	ND	5.0
1,4-Dichlorobenzene	ND	ND	5.0
2,2-Dichloropropane	ND	ND	5.0
c-1,2-Dichloroethene	ND	ND	5.0
c-1,3-Dichloropropene	ND	ND	0.65
t-1,2-Dichloroethene	ND	ND	5.0
t-1,3-Dichloropropene	ND	ND	0.95
Ethylbenzene	ND	ND	5.0
Hexachlorobutadiene	ND	ND	0.50

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**Knoll Environmental**	PROJECT ID:	2 Kansas St.
SAMPLE TYPE:	WATER	REPORT DATE:	7/8/2005
COLLECTION DATE:	6/27/2005	ANALYZED BY:	MR
REC'D BY LAB:	6/28/2005	ANALYSIS DATE:	7/7/2005
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A
PRESERVATIVE:	HYDROCHLORIC ACID		

VOLATILE ORGANICS

SAMPLE NUMBER:	001	002	
SAMPLE LOCATION:	Knoll-9 (S)	Knoll-9(D)	
	RESULTS (µg/L)		**DETECTION LIMIT (µg/L)**
2-Hexanone	ND	ND	10.0
Isopropylbenzene	ND	ND	5.0
p-Isopropyltoluene	ND	ND	5.0
Methylene Chloride	ND	ND	10.0
4-Methyl-2-pentanone	ND	ND	5.0
Methyl tert-butyl ether	ND	ND	5.0
Naphthalene	ND	ND	20.0
n-propylbenzene	ND	ND	5.0
Sec-butylbenzene	ND	ND	5.0
Styrene	ND	ND	5.0
tert-butylbenzene	ND	ND	5.0
Tetrachloroethene	ND	ND	5.0
Toluene	ND	ND	5.0
Trichloroethene	ND	ND	5.0
Trichlorofluoromethane	ND	ND	5.0
1,1,1-Trichloroethane	ND	ND	5.0
1,1,2-Trichloroethane	ND	ND	5.0
1,1,2,2-Tetrachloroethane	ND	ND	0.61
1,1,1,2-Tetrachloroethane	ND	ND	2.0
1,2,3-Trichloropropane	ND	ND	5.0
1,2,3-Trichlorobenzene	ND	ND	5.0
1,2,4-Trichlorobenzene	ND	ND	5.0
1,2,4-Trimethylbenzene	ND	ND	5.0
1,3,5-Trimethylbenzene	ND	ND	5.0
Vinyl Chloride	ND	ND	2.0
Xylenes	ND	ND	5.0
Surrogate Recoveries:			
dibromofluoromethane	106%	96%	
1,2-Dichloroethane	120%	112%	
toluene-d8	102%	104%	
BFB	98%	95%	

ND = NOT DETECTED

Method Reference:

EPA Method 8260B (1) GC/MS

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Ed.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**Knoll Environmental**	PROJECT ID:	2 Kansas St.
SAMPLE TYPE:	WATER	REPORT DATE:	07/08/05
COLLECTION DATE:	06/27/05	ANALYZED BY:	MR
REC'D BY LAB:	06/28/05	ANALYSIS DATE:	07/07/05
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A
PRESERVATIVE:	HYDROCHLORIC ACID		

VOLATILE ORGANICS

SAMPLE NUMBER:	003	004	
SAMPLE LOCATION:	Knoll-10 (S)	Knoll-10(D)	
10 X Dilution *	**RESULTS (µg/L)**		**DETECTION LIMIT (µg/L)**
Acetone	ND	ND	50.0
Acrylonitrile	ND	ND	50.0
Benzene	ND	ND	5.0
Bromobenzene	ND	ND	5.0
Bromochloromethane	ND	ND	2.0
Bromoform	ND	ND	5.0
Bromomethane	ND	ND	2.00
2-Butanone	ND	ND	10.0
n-Butylbenzene	ND	ND	5.0
Carbon Tetrachloride	ND	ND	5.0
Chlorobenzene	ND	ND	5.0
Chloroethane	ND	ND	5.0
2-Chloroethylvinylether	ND	ND	5.0
Chloroform	ND	ND	5.0
Chloromethane	ND	ND	5.0
2-Chlorotoluene	ND	ND	5.0
4-Chlorotoluene	ND	ND	5.0
Dibromomethane	ND	ND	5.0
Dibromochloromethane	ND	ND	5.0
Dichlorobromomethane	ND	ND	5.0
Dichlorodifluoromethane	ND	ND	5.0
1,1-Dichloroethane	ND	ND	5.0
1,1-Dichloroethene	ND	ND	0.96
1,1-Dichloropropene	ND	ND	0.4
1,2-Dibromoethane	ND	ND	1.00
1,2-Dibromo-3-chloropropane	ND	ND	5.0
1,2-Dichlorobenzene	ND	ND	5.0
1,2-Dichloroethane	ND	ND	5.0
1,2-Dichloropropane	ND	ND	5.0
1,3-Dichlorobenzene	ND	ND	5.0
1,3-Dichloropropane	ND	ND	5.0
1,4-Dichlorobenzene	ND	ND	5.0
2,2-Dichloropropane	ND	ND	5.0
c-1,2-Dichloroethene	**27.7**	**27.7**	5.0
c-1,3-Dichloropropene	ND	ND	0.65
t-1,2-Dichloroethene	ND	ND	5.0
t-1,3-Dichloropropene	ND	ND	0.95
Ethylbenzene	ND	ND	5.0
Hexachlorobutadiene	ND	ND	0.50

CLIENT NAME:	**Knoll Environmental**	PROJECT ID:	2 Kansas St.
SAMPLE TYPE:	WATER	REPORT DATE:	7/8/2005
COLLECTION DATE:	6/27/2005	ANALYZED BY:	MR
REC'D BY LAB:	6/28/2005	ANALYSIS DATE:	7/7/2005
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A
PRESERVATIVE:	HYDROCHLORIC ACID		

VOLATILE ORGANICS

SAMPLE NUMBER:	003	004	
SAMPLE LOCATION:	Knoll-10 (S)	Knoll-10(D)	
10 X Dilution *	**RESULTS (µg/L)**		**DETECTION LIMIT (µg/L)**
2-Hexanone	ND	ND	10.0
Isopropylbenzene	ND	ND	5.0
p-Isopropyltoluene	ND	ND	5.0
Methylene Chloride	ND	ND	10.0
4-Methyl-2-pentanone	ND	ND	5.0
Methyl tert-butyl ether	ND	ND	5.0
Naphthalene	ND	ND	20.0
n-propylbenzene	ND	ND	5.0
Sec-butylbenzene	ND	ND	5.0
Styrene	ND	ND	5.0
tert-butylbenzene	ND	ND	5.0
Tetrachloroethene	ND	ND	5.0
Toluene	ND	ND	5.0
Trichloroethene*	199	197	50.0
Trichlorofluoromethane	ND	ND	5.0
1,1,1-Trichloroethane	ND	ND	5.0
1,1,2-Trichloroethane	ND	ND	5.0
1,1,2,2-Tetrachloroethane	ND	ND	0.61
1,1,1,2-Tetrachloroethane	ND	ND	2.0
1,2,3-Trichloropropane	ND	ND	5.0
1,2,3-Trichlorobenzene	ND	ND	5.0
1,2,4-Trichlorobenzene	ND	ND	5.0
1,2,4-Trimethylbenzene	ND	ND	5.0
1,3,5-Trimethylbenzene	ND	ND	5.0
Vinyl Chloride	ND	ND	2.0
Xylenes	ND	ND	5.0
Surrogate Recoveries:			
dibromofluoromethane	98%	99%	
1,2-Dichloroethane	114%	113%	
toluene-d8	103%	106%	
BFB	94%	99%	

ND = NOT DETECTED

Method Reference:

EPA Method 8260B (1) GC/MS

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Ed.

CLIENT NAME:	**Knoll Environmental**	PROJECT ID:	2 Kansas St.
SAMPLE TYPE:	WATER	REPORT DATE:	07/08/05
COLLECTION DATE:	06/27/05	ANALYZED BY:	MR
REC'D BY LAB:	06/28/05	ANALYSIS DATE:	07/07/05
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A
PRESERVATIVE:	HYDROCHLORIC ACID		

VOLATILE ORGANICS

SAMPLE NUMBER:	005	006	
SAMPLE LOCATION:	Knoll-11 (S)	Knoll-11(D)	
	RESULTS (µg/L)		**DETECTION LIMIT (µg/L)**
Acetone	ND	ND	50.0
Acrylonitrile	ND	ND	50.0
Benzene	ND	ND	5.0
Bromobenzene	ND	ND	5.0
Bromochloromethane	ND	ND	2.0
Bromoform	ND	ND	5.0
Bromomethane	ND	ND	2.00
2-Butanone	ND	ND	10.0
n-Butylbenzene	ND	ND	5.0
Carbon Tetrachloride	ND	ND	5.0
Chlorobenzene	ND	ND	5.0
Chloroethane	ND	ND	5.0
2-Chloroethylvinylether	ND	ND	5.0
Chloroform	ND	ND	5.0
Chloromethane	ND	ND	5.0
2-Chlorotoluene	ND	ND	5.0
4-Chlorotoluene	ND	ND	5.0
Dibromomethane	ND	ND	5.0
Dibromochloromethane	ND	ND	5.0
Dichlorobromomethane	ND	ND	5.0
Dichlorodifluoromethane	ND	ND	5.0
1,1-Dichloroethane	ND	ND	5.0
1,1-Dichloroethene	ND	ND	0.96
1,1-Dichloropropene	ND	ND	0.4
1,2-Dibromoethane	ND	ND	1.00
1,2-Dibromo-3-chloropropane	ND	ND	5.0
1,2-Dichlorobenzene	ND	ND	5.0
1,2-Dichloroethane	ND	ND	5.0
1,2-Dichloropropane	ND	ND	5.0
1,3-Dichlorobenzene	ND	ND	5.0
1,3-Dichloropropane	ND	ND	5.0
1,4-Dichlorobenzene	ND	ND	5.0
2,2-Dichloropropane	ND	ND	5.0
c-1,2-Dichloroethene	ND	ND	5.0
c-1,3-Dichloropropene	ND	ND	0.65
t-1,2-Dichloroethene	ND	ND	5.0
t-1,3-Dichloropropene	ND	ND	0.95
Ethylbenzene	ND	ND	5.0
Hexachlorobutadiene	ND	ND	0.50

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	**Knoll Environmental**	PROJECT ID:	2 Kansas St.
SAMPLE TYPE:	WATER	REPORT DATE:	7/8/2005
COLLECTION DATE:	6/27/2005	ANALYZED BY:	MR
REC'D BY LAB:	6/28/2005	ANALYSIS DATE:	7/7/2005
COLLECTED BY:	CLIENT	DIGESTION DATE:	N/A
PRESERVATIVE:	HYDROCHLORIC ACID		

VOLATILE ORGANICS

SAMPLE NUMBER:	005	006	
SAMPLE LOCATION:	Knoll-11 (S)	Knoll-11(D)	
	RESULTS (µg/L)		**DETECTION LIMIT (µg/L)**
2-Hexanone	ND	ND	10.0
Isopropylbenzene	ND	ND	5.0
p-Isopropyltoluene	ND	ND	5.0
Methylene Chloride	ND	ND	10.0
4-Methyl-2-pentanone	ND	ND	5.0
Methyl tert-butyl ether	75.7	**90.9**	5.0
Naphthalene	ND	ND	20.0
n-propylbenzene	ND	ND	5.0
Sec-butylbenzene	ND	ND	5.0
Styrene	ND	ND	5.0
tert-butylbenzene	ND	ND	5.0
Tetrachloroethene	ND	ND	5.0
Toluene	ND	ND	5.0
Trichloroethene	ND	ND	5.0
Trichlorofluoromethane	ND	ND	5.0
1,1,1-Trichloroethane	ND	ND	5.0
1,1,2-Trichloroethane	ND	ND	5.0
1,1,2,2-Tetrachloroethane	ND	ND	0.61
1,1,1,2-Tetrachloroethane	ND	ND	2.0
1,2,3-Trichloropropane	ND	ND	5.0
1,2,3-Trichlorobenzene	ND	ND	5.0
1,2,4-Trichlorobenzene	ND	ND	5.0
1,2,4-Trimethylbenzene	ND	ND	5.0
1,3,5-Trimethylbenzene	ND	ND	5.0
Vinyl Chloride	ND	ND	2.0
Xylenes	ND	ND	5.0
Surrogate Recoveries:			
dibromofluoromethane	98%	102%	
1,2-Dichloroethane	113%	118%	
toluene-d8	105%	100%	
BFB	97%	94%	

ND = NOT DETECTED

Method Reference:

EPA Method 8260B (1) GC/MS

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Ed.

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VOLATILE ORGANICS LCS

%RECOVERY

Dichlorodifluoromethane	57%	1,1,2-Trichloroethane	109%
Chloromethane	71%	Tetrachloroethene	94%
Vinyl chloride	80%	1,3-Dichloropropane	123%
Bromomethane	142%	2-Hexanone	101%
Chloroethane	128%	Dibromochloromethane	91%
Trichlorofluoromethane	96%	EDB	101%
1,1-Dichloroethene	102%	Chlorobenzene	108%
Acetone	89%	1,1,1,2-tetrachloroethane	100%
Carbon Disulfide	90%	Ethylbenzene	126%
Methylene chloride	95%	m,p-Xylene	143%
Acrylonitrile	95%	o-xylene	126%
trans-1,2-Dichloroethene	110%	Styrene	117%
MTBE	100%	Bromoform	91%
1,1-Dichloroethane	109%	Isopropylbenzene	120%
2-Butanone	80%	Bromobenzene	103%
Carbon tetrachloride	101%	1,1,2,2-Tetrachloroethane	124%
2,2-Dichloropropane	112%	1,2,3-Trichloropropane	128%
c-1,2-dichloroethene	108%	N-propylbenzene	124%
Bromochloromethane	96%	2-Chlorotoluene	124%
Chloroform	104%	4-Chlorotoluene	118%
1,1,1-Trichloroethane	103%	1,3,5-Trimethylbenzene	115%
1,1-dichloropropene	112%	tert-Butylbenzene	108%
Benzene	121%	1,2,4-Trimethylbenzene	118%
1,2-Dichloroethane	120%	sec-Butylbenzene	138%
Trichloroethene	86%	1,3-Dichlorobenzene	118%
1,2-Dichloropropane	116%	1,4-Dichlorobenzene	108%
Dibromomethane	98%	p-Isopropyltoluene	123%
Bromodichloromethane	100%	1,2-Dichlorobenzene	97%
2-Chloroethylvinyl Ether	116%	N-Butylbenzene	120%
c-1,3-Dichloropropene	106%	1,2-dibromo-3-chloropropane	102%
Toluene	126%	1,2,4-trichlorobenzene	88%
t-1,3-Dichloropropene	125%	Hexachlorobutadiene	95%
		Naphthalene	87%
		1,2,3-Trichlorobenzene	85%

MCP Limits 70%-130%

The *majority* of recoveries must fall within this range.

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SAMPLE INFORMATION

Matrix	☒ Aqueous ☐ Soil ☐ Sediment ☐ Other
Containers	☒ Satisfactory ☐ Broken ☐ Leaking
Aqueous Preservative	☐ N/A ☒ pH ≤ 2 ☐ pH > 2 Comment:
Temperature	☒ Received on ice ☐ Received at 4° C ☐ Other
Extraction Method	Water: Separatory Funnel Soil:

FULL EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 04-1.1
Method for Target Analyte: 8270 GC/MS
Method for PAH Targets: GC/MS
EPH Surrogate Standards:
Aliphatic COD
Aromatic OTP
EPH Fractionation Surrogates
2-Fluorobiphenyl
2-Bromonaphthalene

				Client ID:	Knoll-1	Knoll-4
				Lab ID:	007	008
				Date Collected:	06/27/05	06/27/05
				Date Received:	06/28/05	06/28/05
				Date Extracted:	07/05/05	07/05/05
				Date Fractions Analyzed:	07/07/05	07/07/05
				Date Targets Analyzed:	07/06/05	07/06/05
				Dilution Factor:	1.0	1.0
				Total solids (%):	N/A	N/A
Range/Target Analyte			RL	Units		
Unadjusted C_{11}-C_{22} Aromatics[1]			100	(µg/L)	ND	**174**
Diesel PAH Analytes	Naphthalene		1.00	(µg/L)	ND	ND
	2-Methylnaphthalene		1.00	(µg/L)	ND	ND
	Acenaphthene		1.00	(µg/L)	ND	ND
	Phenanthrene		1.00	(µg/L)	ND	ND
Other Target PAH Analytes	Acenaphthylene		1.00	(µg/L)	ND	ND
	Fluorene		1.00	(µg/L)	ND	ND
	Anthracene		1.00	(µg/L)	ND	ND
	Fluoranthene		1.00	(µg/L)	ND	ND
	Pyrene		1.50	(µg/L)	ND	ND
	Benz[a]Anthracene		1.00	(µg/L)	ND	ND
	Chrysene		1.00	(µg/L)	ND	ND
	Benzo[b]Fluoranthene		1.00	(µg/L)	ND	ND
	Benzo[k]Fluoranthene		0.120	(µg/L)	ND	ND
	Benzo[a]Pyrene		0.080	(µg/L)	ND	ND
	Indeno[1,2,3-c,d]Pyrene		0.240	(µg/L)	ND	ND
	Dibenzo[a,h]Anthracene		0.500	(µg/L)	ND	ND
	Benzo[g,h,i]Perylene		1.50	(µg/L)	ND	ND
C9-C18 Aliphatic Hydrocarbons[1]			100	(µg/L)	ND	ND
C19-C36 Aliphatic Hydrocarbons[1]			100	(µg/L)	ND	**400**
C11-C22 Aromatic Hydrocarbons[1,2]			100	(µg/L)	ND	**174**
Aliphatic Surrogate % Recovery (COD)					58%	50%
Aromatic Surrogate % Recovery (OTP)					69%	59%
Sample Surrogate Acceptance Range					40-140%	40-140%
2,2'-Difluorobiphenyl % Recovery					69%	67%
2-Fluorobiphenyl % Recovery					48%	52%
Fractionation Surrogate Acceptance Range					40-140%	40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C_{11}-C_{22} Aromatic Hydrocarbons exclude concentrations of Target PAH Analytes.

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? ☒ Yes ☐ No - Details attached
Were all performance/acceptance standards acheived? ☒ Yes ☐ No - Details attached
Were any significant modifications made to the EPH method?? ☒ No ☐ Yes - Details attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: Jim Chen POSITION: Lab Director

PRINTED NAME: Jim Chen DATE: 7/8/2005

GeoLabs, Inc.
Environmental Laboratories

SAMPLE INFORMATION

Matrix	☒ Aqueous ☐ Soil ☐ Sediment ☐ Other
Containers	☒ Satisfactory ☐ Broken ☐ Leaking
Aqueous Preservative	☐ N/A ☒ pH ≤ 2 ☐ pH > 2 Comment:
Temperature	☒ Received on ice ☐ Received at 4° C ☐ Other
Extraction Method	Water: Separatory Funnel Soil:

FULL EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 04-1.1
Method for Target Analyte: 8270 GC/MS
Method for PAH Targets: GC/MS
EPH Surrogate Standards:
Aliphatic COD
Aromatic OTP
EPH Fractionation Surrogates
2-Fluorobiphenyl
2-Bromonaphthalene

		Client ID:		Knoll-5			
		Lab ID:		009			
		Date Collected:		06/27/05			
		Date Received:		06/28/05			
		Date Extracted:		07/05/05			
		Date Fractions Analyzed:		07/07/05			
		Date Targets Analyzed:		07/06/05			
		Dilution Factor:		1/5*			
		Total solids (%):		N/A			
Range/Target Analyte		RL	Units				
Unadjusted C_{11}-C_{22} Aromatics[1]		100	(µg/L)	**4400**			
Diesel PAH Analytes	Naphthalene	1.00	(µg/L)	ND			
	2-Methylnaphthalene	1.00	(µg/L)	ND			
	Acenaphthene	1.00	(µg/L)	ND			
	Phenanthrene	1.00	(µg/L)	ND			
Other Target PAH Analytes	Acenaphthylene	1.00	(µg/L)	ND			
	Fluorene	1.00	(µg/L)	ND			
	Anthracene	1.00	(µg/L)	ND			
	Fluoranthene	1.00	(µg/L)	ND			
	Pyrene	1.50	(µg/L)	ND			
	Benz[a]Anthracene	1.00	(µg/L)	ND			
	Chrysene	1.00	(µg/L)	ND			
	Benzo[b]Fluoranthene	1.00	(µg/L)	ND			
	Benzo[k]Fluoranthene	0.120	(µg/L)	ND			
	Benzo[a]Pyrene	0.080	(µg/L)	ND			
	Indeno[1,2,3-c,d]Pyrene	0.240	(µg/L)	ND			
	Dibenzo[a,h]Anthracene	0.500	(µg/L)	ND			
	Benzo[g,h,i]Perylene	1.50	(µg/L)	ND			
C9-C18 Aliphatic Hydrocarbons[1]		100	(µg/L)	**400**			
C19-C36 Aliphatic Hydrocarbons[1]		500	(µg/L)	**12400***			
C11-C22 Aromatic Hydrocarbons[1,2]		100	(µg/L)	**4400**			
Aliphatic Surrogate % Recovery (COD)				54%			
Aromatic Surrogate % Recovery (OTP)				64%			
Sample Surrogate Acceptance Range				40-140%			
2,2'-Difluorobiphenyl % Recovery				63%			
2-Fluorobiphenyl % Recovery				46%			
Fractionation Surrogate Acceptance Range				40-140%			

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C_{11}-C_{22} Aromatic Hydrocarbons exclude concentrations of Target PAH Analytes.

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? ☒ Yes ☐ No - Details attached
Were all performance/acceptance standards acheived? ☒ Yes ☐ No - Details attached
Were any significant modifications made to the EPH method?? ☒ No ☐ Yes - Details attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: POSITION: Lab Director

PRINTED NAME: Jim Chen DATE: 7/8/2005

GeoLabs, Inc.
Environmental Laboratories

SAMPLE INFORMATION

Matrix	☒ Aqueous ☐ Soil ☐ Sediment ☐ Other
Containers	☒ Satisfactory ☐ Broken ☐ Leaking
Aqueous Preservative	☐ N/A ☒ pH ≤ 2 ☐ pH > 2 Comment:
Temperature	☒ Received on ice ☐ Received at 4° C ☐ Other
Extraction Method	Water: Separatory Funnel Soil:

FULL EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 04-1.1
Method for Target Analyte: 8270 GC/MS
Method for PAH Targets: GC/MS
EPH Surrogate Standards:
Aliphatic COD
Aromatic OTP
EPH Fractionation Surrogates
2-Fluorobiphenyl
2-Bromonaphthalene

		Client ID:		Knoll-6			
		Lab ID:		010			
		Date Collected:		06/27/05			
		Date Received:		06/28/05			
		Date Extracted:		07/05/05			
		Date Fractions Analyzed:		07/07/05			
		Date Targets Analyzed:		07/06/05			
		Dilution Factor:		10/25*/100**			
		Total solids (%):		N/A			
Range/Target Analyte		RL	Units				
Unadjusted C_{11}-C_{22} Aromatics[1]		2500	(µg/L)	**109000**			
Diesel PAH Analytes	Naphthalene	1.00	(µg/L)	ND			
	2-Methylnaphthalene	1.00	(µg/L)	ND			
	Acenaphthene	1.00	(µg/L)	ND			
	Phenanthrene	1.00	(µg/L)	ND			
Other Target PAH Analytes	Acenaphthylene	1.00	(µg/L)	ND			
	Fluorene	1.00	(µg/L)	ND			
	Anthracene	1.00	(µg/L)	ND			
	Fluoranthene	1.00	(µg/L)	ND			
	Pyrene	1.50	(µg/L)	ND			
	Benz[a]Anthracene	1.00	(µg/L)	ND			
	Chrysene	1.00	(µg/L)	ND			
	Benzo[b]Fluoranthene	1.00	(µg/L)	ND			
	Benzo[k]Fluoranthene	0.120	(µg/L)	ND			
	Benzo[a]Pyrene	0.080	(µg/L)	ND			
	Indeno[1,2,3-c,d]Pyrene	0.240	(µg/L)	ND			
	Dibenzo[a,h]Anthracene	0.500	(µg/L)	ND			
	Benzo[g,h,i]Perylene	1.50	(µg/L)	ND			
C9-C18 Aliphatic Hydrocarbons[1]		1000	(µg/L)	**13700**			
C19-C36 Aliphatic Hydrocarbons[1]		10000	(µg/L)	**307000**			
C11-C22 Aromatic Hydrocarbons[1,2]		2500	(µg/L)	**109000**			
Aliphatic Surrogate % Recovery (COD)				67%			
Aromatic Surrogate % Recovery (OTP)				86%			
Sample Surrogate Acceptance Range				40-140%			
2,2'-Difluorobiphenyl % Recovery				70%			
2-Fluorobiphenyl % Recovery				54%			
Fractionation Surrogate Acceptance Range				40-140%			

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C_{11}-C_{22} Aromatic Hydrocarbons exclude concentrations of Target PAH Analytes.

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? ☒ Yes ☐ No - Details attached
Were all performance/acceptance standards acheived? ☒ Yes ☐ No - Details attached
Were any significant modifications made to the EPH method?? ☒ No ☐ Yes - Details attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: Jim Chen POSITION: Lab Director

PRINTED NAME: Jim Chen DATE: 7/8/2005

GeoLabs, Inc.
Environmental Laboratories

SAMPLE INFORMATION

Matrix	☒ Aqueous ☐ Soil ☐ Sediment ☐ Other
Containers	☒ Satisfactory ☐ Broken ☐ Leaking
Aqueous Preservative	☐ N/A ☒ pH ≤ 2 ☐ pH > 2 Comment:
Temperature	☒ Received on ice ☐ Received at 4° C ☐ Other
Extraction Method	Water: Separatory Funnel Soil:

FULL EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 04-1.1
Method for Target Analyte: 8270 GC/MS
Method for PAH Targets: GC/MS
EPH Surrogate Standards:
Aliphatic COD
Aromatic OTP
EPH Fractionation Surrogates
2-Fluorobiphenyl
2-Bromonaphthalene

		Client ID:		Knoll-7		
		Lab ID:		011		
		Date Collected:		06/27/05		
		Date Received:		06/28/05		
		Date Extracted:		07/05/05		
		Date Fractions Analyzed:		07/07/05		
		Date Targets Analyzed:		07/06/05		
		Dilution Factor:		1/10*		
		Total solids (%):		N/A		
Range/Target Analyte		RL	Units			
Unadjusted C_{11}-C_{22} Aromatics[1]		100	(µg/L)	**6460**		
Diesel PAH Analytes	Naphthalene	1.00	(µg/L)	ND		
	2-Methylnaphthalene	1.00	(µg/L)	ND		
	Acenaphthene	1.00	(µg/L)	ND		
	Phenanthrene	1.00	(µg/L)	ND		
Other Target PAH Analytes	Acenaphthylene	1.00	(µg/L)	ND		
	Fluorene	1.00	(µg/L)	ND		
	Anthracene	1.00	(µg/L)	ND		
	Fluoranthene	1.00	(µg/L)	ND		
	Pyrene	1.50	(µg/L)	ND		
	Benz[a]Anthracene	1.00	(µg/L)	ND		
	Chrysene	1.00	(µg/L)	ND		
	Benzo[b]Fluoranthene	1.00	(µg/L)	ND		
	Benzo[k]Fluoranthene	0.120	(µg/L)	ND		
	Benzo[a]Pyrene	0.080	(µg/L)	ND		
	Indeno[1,2,3-c,d]Pyrene	0.240	(µg/L)	ND		
	Dibenzo[a,h]Anthracene	0.500	(µg/L)	ND		
	Benzo[g,h,i]Perylene	1.50	(µg/L)	ND		
C9-C18 Aliphatic Hydrocarbons[1]		100	(µg/L)	**1270**		
C19-C36 Aliphatic Hydrocarbons[1]		1000	(µg/L)	**20600**		
C11-C22 Aromatic Hydrocarbons[1,2]		100	(µg/L)	**6460**		
Aliphatic Surrogate % Recovery (COD)				83%		
Aromatic Surrogate % Recovery (OTP)				41%		
Sample Surrogate Acceptance Range				40-140%		
2,2'-Difluorobiphenyl % Recovery				68%		
2-Fluorobiphenyl % Recovery				49%		
Fractionation Surrogate Acceptance Range				40-140%		

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C_{11}-C_{22} Aromatic Hydrocarbons exclude concentrations of Target PAH Analytes.

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? ☒ Yes ☐ No - Details attached
Were all performance/acceptance standards acheived? ☒ Yes ☐ No - Details attached
Were any significant modifications made to the EPH method?? ☒ No ☐ Yes - Details attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: Jim Chen POSITION: Lab Director

PRINTED NAME: Jim Chen DATE: 7/8/2005

GeoLabs, Inc.
Environmental Laboratories

SAMPLE INFORMATION

Matrix	☒ Aqueous ☐ Soil ☐ Sediment ☐ Other
Containers	☒ Satisfactory ☐ Broken ☐ Leaking
Aqueous Preservative	☐ N/A ☒ pH ≤ 2 ☐ pH > 2 Comment:
Temperature	☒ Received on ice ☐ Received at 4° C ☐ Other
Extraction Method	Water: Separatory Funnel Soil:

FULL EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 04-1.1
Method for Target Analyte: 8270 GC/MS
Method for PAH Targets: GC/MS
EPH Surrogate Standards:
Aliphatic COD
Aromatic OTP
EPH Fractionation Surrogates
2-Fluorobiphenyl
2-Bromonaphthalene

		Client ID:		Knoll-8			
		Lab ID:		012			
		Date Collected:		06/27/05			
		Date Received:		06/28/05			
		Date Extracted:		07/05/05			
		Date Fractions Analyzed:		07/07/05			
		Date Targets Analyzed:		07/06/05			
		Dilution Factor:		5/25*			
		Total solids (%):		N/A			
Range/Target Analyte		RL	Units				
Unadjusted C_{11}-C_{22} Aromatics[1]		500	(µg/L)	**12600**			
Diesel PAH Analytes	Naphthalene	1.00	(µg/L)	ND			
	2-Methylnaphthalene	1.00	(µg/L)	ND			
	Acenaphthene	1.00	(µg/L)	ND			
	Phenanthrene	1.00	(µg/L)	ND			
Other Target PAH Analytes	Acenaphthylene	1.00	(µg/L)	ND			
	Fluorene	1.00	(µg/L)	ND			
	Anthracene	1.00	(µg/L)	ND			
	Fluoranthene	1.00	(µg/L)	ND			
	Pyrene	1.50	(µg/L)	ND			
	Benz[a]Anthracene	1.00	(µg/L)	ND			
	Chrysene	1.00	(µg/L)	ND			
	Benzo[b]Fluoranthene	1.00	(µg/L)	ND			
	Benzo[k]Fluoranthene	0.120	(µg/L)	ND			
	Benzo[a]Pyrene	0.080	(µg/L)	ND			
	Indeno[1,2,3-c,d]Pyrene	0.240	(µg/L)	ND			
	Dibenzo[a,h]Anthracene	0.500	(µg/L)	ND			
	Benzo[g,h,i]Perylene	1.50	(µg/L)	ND			
C9-C18 Aliphatic Hydrocarbons[1]		500	(µg/L)	**4180**			
C19-C36 Aliphatic Hydrocarbons[1]		2500	(µg/L)	**44400**			
C11-C22 Aromatic Hydrocarbons[1,2]		500	(µg/L)	**12600**			
Aliphatic Surrogate % Recovery (COD)				65%			
Aromatic Surrogate % Recovery (OTP)				53%			
Sample Surrogate Acceptance Range				40-140%			
2,2'-Difluorobiphenyl % Recovery				111%			
2-Fluorobiphenyl % Recovery				56%			
Fractionation Surrogate Acceptance Range				40-140%			

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C_{11}-C_{22} Aromatic Hydrocarbons exclude concentrations of Target PAH Analytes.

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? ☒ Yes ☐ No - Details attached
Were all performance/acceptance standards acheived? ☒ Yes ☐ No - Details attached
Were any significant modifications made to the EPH method?? ☒ No ☐ Yes - Details attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: Jim Chen POSITION: Lab Director

PRINTED NAME: Jim Chen DATE: 7/8/2005

EPH - QC - Ranges
EXTRACTABLE PETROLEUM HYDROCARBONS

	QC RESULTS						
	Method Blank	MDL (µg/L)	Spike % Recovery 1	Spike % Recovery 2		RPD	%
*c9-c18 Aliphatics	93.8	100	40.1	43.7	40-140	4.87	≤ 50
c19-c36 Aliphatics	22.4	100	82.7	82.1	40-140	0.7	≤ 50
c11-c22 Aromatics	36.9	100	53.9	67.9	40-140	21.5	≤ 50

Surrogate % Recovery:

COD	55%	40-140	75%	72%	40-140	3.80%	≤ 50
OTP	41%	40-140	65%	83%	40-140	23.30%	≤ 50

EPH - QC Target Analyte
EXTRACTABLE PETROLEUM HYDROCARBONS

	QC RESULTS			
	Method Blank	Spike % Recovery 1	Spike % Recovery 2	Limits %
Acenaphthene	ND	41%	55%	40-140%
Phenanthrene	ND	54%	66%	40-140%
Pyrene	ND	57%	75%	40-140%
Chrysene	ND	69%	80%	40-140%
Indeno [1,2,3-cd] pyrene	ND	61%	75%	40-140%

GEOLABS, INC.
45 JOHNSON LANE
BRAINTREE, MA 02184

M-MA015

LIMITATIONS & EXCLUSIONS

All the professional opinions presented in this report are based solely on the scope of work conducted and sources referred to in our report. The data presented by GeoLabs in this report was collected and analyzed using generally accepted industry methods and practices at the time the report was generated. This report represents the conditions, locations and materials that were observed at the time the work was conducted. No inferences regarding other conditions, locations or materials, at a later or earlier time may be made based on the contents of the report. No other warranty, express or implied is made.

This report was prepared for the sole use of our client. Portions of the report may not be used independent of the entire report.

All analyses were performed within required holding times, in accordance with EPA protocols and using accepted QA/QC procedures. All QA/QC meets acceptable limits unless otherwise noted. The information contained in this report is, to the best of my knowledge, accurate and complete.

This lab report meets all requirements of NELAC unless otherwise noted.

Any and all subsequent pages of this report are chain(s) of custody.

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
Fax: (781) 449-1623

Turn Around Time: NORMAL
Due Date:

Project Name:	COC#	Comments:
2 Kansas St	94	
	PO# 94	
Collected By: MH		

Sample ID	Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 (PAH's)	VPH (TPH)	EPH (TPH)	RCRA 8 ☐Dissolved ☐Total	8080 (PCB)	Amrec Specs	Barden Trimount	ESMI Specs	Asb. by PLM
Knoll-9 (S)	6.27.05	H2O	HCl/Ice	2	X	6425		-001								
Knoll-9 (D)				2	X			-002								
Knoll-10 (S)				2	X			-003								
Knoll-10 (D)				2	X			-004								
Knoll-11 (S)				2	X			-005								
Knoll-11 (D)				2	X			-006								
Knoll-1				1						X	6425-		007			
Knoll-4				1						X			-008			
Knoll-5	↓	↓	↓	1						X			-009			

Relinquished By:	Date/Time:	Relinquished By:	Date/Time:	Relinquished By:	Date/Time:
MH	6.27.05				
Received By:	**Date/Time:**	**Received By:**	**Date/Time:**	**Received By:**	**Date/Time:**
[illegible]	6/28/05 10:50	[illegible]	6/28/05 10:50		

GW=Ground Water S=Sediments/Soil

F/Formats/Misc Office Forms/Chain of Custody

06/30/2005 16:51 7814491623 KNOLL ENVIRONMENTAL PAGE 01/02

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
Fax: (781) 449-1623

Turn Around Time: NORMAL
Due Date:

Project Name:	COC#	Comments:
2 Kansas St	94	
	PO# 94	
Collected By: MH		

Sample ID	Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 (PAH's)	VPH (TPH)	EPH (TPH)	RCRA 8 ☐Dissolved ☐Total	8080 (PCB)	Amrec Specs	Bardon Trimount	ESMI Specs	Asb. by PLM
Knoll-6	6.27.05	H_2O	HCL/ice	2						X		6425	-010			
Knoll-7	↓	↓	↓	1						X			-011			
Knoll-8	↓	↓	↓	1						X			-012			

Relinquished By:	Date/Time:	Relinquished By:	Date/Time:	Relinquished By:	Date/Time:
MH	6.27.05				
Received By:	**Date/Time:**	**Received By:**	**Date/Time:**	**Received By:**	**Date/Time:**
[signature]	6/28/05 10:50	[signature]	6/28 1050		

GW=Ground Water S=Sediments/Soil

F/Formats/Misc Office Forms/Chain of Custody

06/30/2005 16:51 7814491623 KNOLL ENVIRONMENTAL PAGE 02/02

GeoLabs, Inc.

Environmental Laboratories

LABORATORY REPORT

PREPARED FOR:

Knoll Environmental, Inc.
69 Wexford Street
Needham, MA 02494

PROJECT ID:	060 Kansas Street
GEOLABS CERTIFICATION #:	M-MA015
SAMPLE NUMBER:	160119
DATE PREPARED:	January 14, 2005
PREPARED BY:	Christine Johnson
APPROVED BY:	Jim Chen, Laboratory Director

GeoLabs, Inc.
Environmental Laboratories

MADEP MCP Response Action Analytical Report Certification Form

Laboratory Name:	GeoLabs, Inc.	Project #:	060
Project Location:	Kansas Street	MADEP RTN:	

This form provides certifications for the following data set: 160119

Sample matrices: Groundwater (x) Soil / Sediment ( ) Drinking Water ( ) Other ( )

MCP SW-846 Methods Used	8260B ( )	8151A ( )	8330 ( )	6010B ( )	7470/1A ( )	Other: ( )
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )	
	8082 (x)	8021B ( )	EPH ( )	7000 S[3] ( )		

As specified in MADEP Compendium of Analytical Methods (Check all that apply)
1- List Release Tracking Number (RTN), if known
2- M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Meth
3- S - SW-846 Methods 7000 Series (List individual method and analyte)

An affirmative response to questions A, B, and C is required for "*Presumptive Certainty*" status

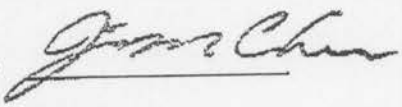
A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	Yes (x)	No[1] ( )
B	Were all QA/QC procedures required for the specified analytical method(included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (x)	No[1] ( )
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP documents CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	Yes (x)	No[1] ( )

A response to questions D and E below is required for "*Presumptive Certainty*" status

D	Were all QC performance standards and recommendations for the specified methods achieved?	Yes (x)	No[1] ( )
E	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes (x)	No[1] ( )

[1]All NO answeres must be addressed in an attached Environmental Laboratory case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:  Position: Lab Director

Printed Name: Jim Chen Date: January 14, 2005

GeoLabs, Inc.

Environmental Laboratories

Case Narrative

Project ID: 060
Client Name: Knoll Environmental, Inc.

Sample Number: 160119
Received: 01/11/05

Physical Condition of Samples

This project was received by the laboratory in satisfactory condition. The sample(s) were received undamaged, in appropriate containers with the correct preservation.

Project Documentation

This project was accompanied by satisfactory Chain of Custody documentation. The sample container label(s) agreed with the Chain of Custody.

Analysis of Sample(s)

No analytical anomalies or non-conformances were noted by the laboratory during the processing of these sample(s).

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	KNOLL ENVIRONMENTAL	PROJECT ID:	060 KANSAS ST.
SAMPLE TYPE:	GROUNDWATER	REPORT DATE:	01/14/05
COLLECTION DATE:	01/11/05	ANALYZED BY:	KH
REC'D BY LAB:	01/11/05	ANALYSIS DATE:	01/14/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	01/12/05
PRESERVATIVE:	N/A		

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER: 160119
SAMPLE LOCATION: KNOLL-4

	RESULTS (µg/L)	DETECTION LIMIT (µg/L)
Arochlor 1221	ND	0.30
Arochlor 1232	ND	0.30
Arochlor 1016/1242	ND	0.30
Arochlor 1248	ND	0.30
Arochlor 1254	ND	0.30
Arochlor 1260	ND	0.30
Arochlor 1262	ND	0.30
Arochlor 1268	ND	0.30
Recovery: (30-150%)		**Limit**
TCMX Signal 1	98%	30-150%
DCBP Signal 1	102%	30-150%
TCMX Signal 2	102%	30-150%
DCBP Signal 2	98%	30-150%

ND = NOT DETECTED

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

GeoLabs, Inc.
Environmental Laboratories

CLIENT NAME:	KNOLL ENVIRONMENTAL	PROJECT ID:	060 KANSAS ST.
SAMPLE TYPE:	GROUNDWATER	REPORT DATE:	01/14/05
COLLECTION DATE:	01/11/05	ANALYZED BY:	KH
REC'D BY LAB:	01/11/05		
COLLECTED BY:	CLIENT		

PCB WATER MCP QC SHEET

BLANK = ND MDL = 0.30 µg/L

	LCS %	MS	MSD	% Rec. Limits	RPD	LIMIT
Arochlor 1221	N/A	N/A	N/A	40-140	N/A	50
Arochlor 1232	N/A	N/A	N/A	40-140	N/A	50
Arochlor 1016	100	N/A	N/A	40-140	N/A	50
Arochlor 1248	N/A	N/A	N/A	40-140	N/A	50
Arochlor 1254	N/A	N/A	N/A	40-140	N/A	50
Arochlor 1260	100	N/A	N/A	40-140	N/A	50
SURROGATE: (30-150%)	BLANK	LCS				
TCMX SIGNAL 1	90	102				
DCBP SIGNAL 1	102	102				
TCMX SIGNAL 2	100	100				
DCBP SIGNAL 2	102	98				

GEOLABS, INC.
45 JOHNSON LANE
BRAINTREE, MA 02184

M-MA015

LIMITATIONS & EXCLUSIONS

All the professional opinions presented in this report are based solely on the scope of work conducted and sources referred to in our report. The data presented by GeoLabs in this report was collected and analyzed using generally accepted industry methods and practices at the time the report was generated. This report represents the conditions, locations and materials that were observed at the time the work was conducted. No inferences regarding other conditions, locations or materials, at a later or earlier time may be made based on the contents of the report. No other warranty, express or implied is made.

This report was prepared for the sole use of our client. Portions of the report may not be used independent of the entire report.

All analyses were performed within required holding times, in accordance with EPA protocols and using accepted QA/QC procedures. All QA/QC meets acceptable limits unless otherwise noted. The information contained in this report is, to the best of my knowledge, accurate and complete.

This lab report meets all requirements of NELAC unless otherwise noted.

Any and all subsequent pages of this report are chain(s) of custody.

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
Fax: (781) 449-1623

Turn Around Time: NORMAL
Due Date: 1.18.05

Project Name: KANSAS ST.

COC# 060

PO# 060

Comments: run PCB only per Jimmy 1/13 DR

Collected By: JOD

Sample ID	Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 (PAH's)	VPH (TPH)	EPH (TPH)	RCRA 8 ☐Dissolved ☐Total	8080 (PCB)	Amrec Specs	Bardon Trimount	ESMI Specs	Asb. by PLM
KNOLL-4	1.11.05	H2O	—	2				160	19			X				
												X				

Relinquished By: [signature] Date/Time: 1.11.05 Relinquished By: Ken McGuire Date/Time: 1.11.05 4:30 Relinquished By: Date/Time:

Received By: Ken Mercer Date/Time: 1.11.05 3:55 Received By: Danielle Rega Date/Time: 4:30 Received By: Date/Time:

GW=Ground Water S=Sediments/Soil WW=Waste Water

F/Formats/Misc Office Forms/Chain of Custody

01/14/2005 FRI 13:40 FAX 1 781 848 7811 Geo Labs Inc 007/007

GeoLabs, Inc.

Environmental Laboratories

LABORATORY REPORT

PREPARED FOR:

Knoll Environmental, Inc.
69 Wexford Street
Needham, MA 02494

PROJECT ID:	059 Kansas Street
GEOLABS CERTIFICATION #:	M-MA015
SAMPLE NUMBER:	159768 - 159770
DATE PREPARED:	January 4, 2005
PREPARED BY:	Christine Johnson
APPROVED BY:	Jim Chen, Laboratory Director

GeoLabs, Inc.
Environmental Laboratories

MADEP MCP Response Action Analytical Report Certification Form

Laboratory Name:	GeoLabs, Inc.	Project #:	059
Project Location:	Kansas Street	MADEP RTN:	

This form provides certifications for the following data set: 159768 - 159770

Sample matrices: Groundwater (x) Soil / Sediment ( ) Drinking Water ( ) Other ( )

MCP SW-846 Methods Used	8260B ( )	8151A ( )	8330 ( )	6010B ( )	7470/1A ( )	Other: ( )
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )	
	8082 (x)	8021B ( )	EPH (x)	7000 S[3] ( )		

As specified in MADEP Compendium of Analytical Methods (Check all that apply)

1- List Release Tracking Number (RTN), if known
2- M - SW-846 Method 9014 or MADEP Physiologically Available Cyanide (PAC) Meth
3- S - SW-846 Methods 7000 Series (List individual method and analyte)

An affirmative response to questions A, B, and C is required for "*Presumptive Certainty*" status

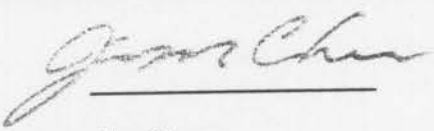
A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	Yes (x)	No[1] ( )
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	Yes (x)	No[1] ( )
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP documents CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	Yes (x)	No[1] ( )

A response to questions D and E below is required for "*Presumptive Certainty*" status

D	Were all QC performance standards and recommendations for the specified methods achieved?	Yes (x)	No[1] ( )
E	Were results for all analyte-list compounds/elements for the specified method(s) reported?	Yes (x)	No[1] ( )

[1]All NO answeres must be addressed in an attached Environmental Laboratory case narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, accurate and complete.

Signature:  Position: Lab Director

Printed Name: Jim Chen Date: January 4, 2005

GeoLabs, Inc.

Environmental Laboratories

Case Narrative

Project ID: 059
Client Name: Knoll Environmental, Inc.

Sample Number: 159768 - 159770
Received: 12/27/04

Physical Condition of Samples

This project was received by the laboratory in satisfactory condition. The sample(s) were received undamaged, in appropriate containers with the correct preservation.

Project Documentation

This project was accompanied by satisfactory Chain of Custody documentation. The sample container label(s) agreed with the Chain of Custody.

Analysis of Sample(s)

No analytical anomalies or non-conformances were noted by the laboratory during the processing of these sample(s).

GeoLabs, Inc.
Environmental Laboratories

SAMPLE INFORMATION

Matrix	☒ Aqueous ☐ Soil ☐ Sediment ☐ Other
Containers	☒ Satisfactory ☐ Broken ☐ Leaking
Aqueous Preservative	☐ N/A ☒ pH ≤ 2 ☐ pH > 2 Comment:
Temperature	☒ Received on ice ☐ Received at 4° C ☐ Other
Extraction Method	Water: Separatory Funnel Soil:

FULL EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1
Method for Target Analyte: 8270 GC/MS
Method for PAH Targets: GC/MS
EPH Surrogate Standards:
Aliphatic COD
Aromatic OTP
EPH Fractionation Surrogates
2-Fluorobiphenyl
2-Bromonaphthalene

				Client ID:	KNOLL 2		
				Lab ID:	159768		
				Date Collected:	12/22/04		
				Date Received:	12/27/04		
				Date Extracted:	12/27/04		
				Date Fractions Analyzed:	01/03/05		
				Date Targets Analyzed:	12/29/04		
				Dilution Factor:	1.0 / 5.0*		
				Total solids (%):	N/A		
Range/Target Analyte			RL	Units			
Unadjusted C_{11}-C_{22} Aromatics[1]			100	(µg/L)	3850		
Diesel PAH Analytes		Naphthalene	1.00	(µg/L)	ND		
		2-Methylnaphthalene	1.00	(µg/L)	ND		
		Acenaphthene	1.00	(µg/L)	ND		
		Phenanthrene	1.00	(µg/L)	ND		
Other Target PAH Analytes		Acenaphthylene	1.00	(µg/L)	ND		
		Fluorene	1.00	(µg/L)	ND		
		Anthracene	1.00	(µg/L)	ND		
		Fluoranthene	1.00	(µg/L)	ND		
		Pyrene	1.50	(µg/L)	ND		
		Benz[a]Anthracene	1.00	(µg/L)	1.35		
		Chrysene	1.00	(µg/L)	ND		
		Benzo[b]Fluoranthene	1.00	(µg/L)	ND		
		Benzo[k]Fluoranthene	0.120	(µg/L)	ND		
		Benzo[a]Pyrene	0.080	(µg/L)	ND		
		Indeno[1,2,3-c,d]Pyrene	0.240	(µg/L)	ND		
		Dibenzo[a,h]Anthracene	0.500	(µg/L)	ND		
		Benzo[g,h,i]Perylene	1.50	(µg/L)	ND		
C9-C18 Aliphatic Hydrocarbons[1]			100	(µg/L)	**665**		
C19-C36 Aliphatic Hydrocarbons[1]			500*	(µg/L)	**20200**		
C11-C22 Aromatic Hydrocarbons[1,2]			100	(µg/L)	**3849**		
Aliphatic Surrogate % Recovery (COD)					77%		
Aromatic Surrogate % Recovery (OTP)					94%		
Sample Surrogate Acceptance Range					40-140%		
2,2'-Difluorobiphenyl % Recovery					88%		
2-Fluorobiphenyl % Recovery					70%		
Fractionation Surrogate Acceptance Range					40-140%		

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C_{11}-C_{22} Aromatic Hydrocarbons exclude concentrations of Target PAH Analytes.

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? ☒ Yes ☐ No - Details attached
Were all performance/acceptance standards acheived? ☒ Yes ☐ No - Details attached
Were any significant modifications made to the EPH method?? ☒ No ☐ Yes - Details attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: Jim Chen POSITION: Lab Director

PRINTED NAME: Jim Chen DATE: 1/4/05

GeoLabs, Inc.
Environmental Laboratories

SAMPLE INFORMATION

Matrix	☒ Aqueous ☐ Soil ☐ Sediment ☐ Other
Containers	☒ Satisfactory ☐ Broken ☐ Leaking
Aqueous Preservative	☐ N/A ☒ pH ≤ 2 ☐ pH > 2 Comment:
Temperature	☒ Received on ice ☐ Received at 4° C ☐ Other
Extraction Method	Water: Separatory Funnel Soil:

FULL EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1
Method for Target Analyte: 8270 GC/MS
Method for PAH Targets: GC/MS
EPH Surrogate Standards:
Aliphatic COD
Aromatic OTP
EPH Fractionation Surrogates
2-Fluorobiphenyl
2-Bromonaphthalene

		Client ID:		KNOLL 3			
		Lab ID:		159769			
		Date Collected:		12/22/04			
		Date Received:		12/27/04			
		Date Extracted:		12/27/04			
		Date Fractions Analyzed:		01/03/05			
		Date Targets Analyzed:		12/29/04			
		Dilution Factor:		1.0 / 5.0* / 25**			
		Total solids (%):		N/A			
Range/Target Analyte		RL	Units				
Unadjusted C_{11}-C_{22} Aromatics[1]		500*	(µg/L)	**19900**			
Diesel PAH Analytes	Naphthalene	1.00	(µg/L)	ND			
	2-Methylnaphthalene	1.00	(µg/L)	ND			
	Acenaphthene	1.00	(µg/L)	ND			
	Phenanthrene	1.00	(µg/L)	ND			
Other Target PAH Analytes	Acenaphthylene	1.00	(µg/L)	ND			
	Fluorene	1.00	(µg/L)	ND			
	Anthracene	1.00	(µg/L)	ND			
	Fluoranthene	1.00	(µg/L)	ND			
	Pyrene	1.50	(µg/L)	**2.00**			
	Benz[a]Anthracene	1.00	(µg/L)	**2.65**			
	Chrysene	1.00	(µg/L)	**2.71**			
	Benzo[b]Fluoranthene	1.00	(µg/L)	ND			
	Benzo[k]Fluoranthene	0.120	(µg/L)	ND			
	Benzo[a]Pyrene	0.080	(µg/L)	ND			
	Indeno[1,2,3-c,d]Pyrene	0.240	(µg/L)	ND			
	Dibenzo[a,h]Anthracene	0.500	(µg/L)	ND			
	Benzo[g,h,i]Perylene	1.50	(µg/L)	ND			
C9-C18 Aliphatic Hydrocarbons[1]		500*	(µg/L)	**3660**			
C19-C36 Aliphatic Hydrocarbons[1]		2500**	(µg/L)	**98800**			
C11-C22 Aromatic Hydrocarbons[1,2]		500*	(µg/L)	**19900**			
Aliphatic Surrogate % Recovery (COD)				90%			
Aromatic Surrogate % Recovery (OTP)				77%			
Sample Surrogate Acceptance Range				40-140%			
2,2'-Difluorobiphenyl % Recovery				87%			
2-Fluorobiphenyl % Recovery				71%			
Fractionation Surrogate Acceptance Range				40-140%			

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C_{11}-C_{22} Aromatic Hydrocarbons exclude concentrations of Target PAH Analytes.

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? ☒ Yes ☐ No - Details attached
Were all performance/acceptance standards acheived? ☒ Yes ☐ No - Details attached
Were any significant modifications made to the EPH method?? ☒ No ☐ Yes - Details attached

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE: Jim Chen POSITION: Lab Director

PRINTED NAME: Jim Chen DATE: 1/4/05

EPH - QC - Ranges
EXTRACTABLE PETROLEUM HYDROCARBONS

	QC RESULTS						
	Method Blank	MDL (µg/L)	Spike % Recovery 1	Spike % Recovery 2		RPD	%
*c9-c18 Aliphatics	26.3	100	40	46	40-140	11.9	≤ 50
c19-c36 Aliphatics	25	100	116	140	40-140	18.3	≤ 50
c11-c22 Aromatics	39.1	100	55.0	64.0	40-140	13.3	≤ 50

Surrogate % Recovery:

COD	72%	40-140	73%	73%	40-140	20.20%	≤ 50
OTP	85%	40-140	68%	68%	40-140	26.20%	≤ 50

EPH - QC Target Analyte
EXTRACTABLE PETROLEUM HYDROCARBONS

	QC RESULTS			
	Method Blank	Spike % Recovery 1	Spike % Recovery 2	Limits %
Acenaphthene	ND	75%	68%	40-140%
Phenanthrene	ND	87%	110%	40-140%
Pyrene	ND	95%	113%	40-140%
Chrysene	ND	108%	132%	40-140%
Indeno [1,2,3-cd] pyrene	ND	89%	116%	40-140%

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	KANSAS STREET
SAMPLE TYPE:	GROUNDWATER	REPORT DATE:	01/04/05
COLLECTION DATE:	12/22/04	ANALYZED BY:	KH
REC'D BY LAB:	12/27/04	ANALYSIS DATE:	01/03/05
COLLECTED BY:	CLIENT	EXTRACTION DATE:	12/28/04
PRESERVATIVE:	N/A		

POLYCHLORINATED BIPHENYLS

SAMPLE NUMBER:	159770
SAMPLE LOCATION:	MW-2A

*** 25x dilution**	**RESULTS (µg/L)**	**DETECTION LIMIT (µg/L)**
Arochlor 1221	ND	0.30
Arochlor 1232	ND	0.30
Arochlor 1016/1242	**5.69**	0.30
Arochlor 1248	ND	0.30
Arochlor 1254 *	**143**	7.50
Arochlor 1260	ND	0.30
Arochlor 1262	ND	0.30
Arochlor 1268	ND	0.30

Recovery: (30-150%)		**Limit**
TCMX Signal 1	96%	30-150%
DCBP Signal 1	96%	30-150%
TCMX Signal 2	96%	30-150%
DCBP Signal 2	94%	30-150%

ND = NOT DETECTED

Method Reference:

EPA Method 8082 Arochlor (1)

1) U.S. EPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 1997, 3rd Edition.

CLIENT NAME:	**KNOLL ENVIRONMENTAL**	PROJECT ID:	KANSAS STREET
SAMPLE TYPE:	GROUNDWATER	REPORT DATE:	01/04/05
COLLECTION DATE:	12/22/04	ANALYZED BY:	KH
REC'D BY LAB:	12/27/04		
COLLECTED BY:	CLIENT		
PRESERVATIVE:	N/A		

PCB WATER MCP QC SHEET

BLANK = ND **MDL = 0.30 µg/L**

	LCS %	MS	MSD	% Rec. Limits	RPD	LIMIT
Arochlor 1221	N/A	N/A	N/A	40-140	N/A	50
Arochlor 1232	N/A	N/A	N/A	40-140	N/A	50
Arochlor 1016	100	N/A	N/A	40-140	N/A	50
Arochlor 1248	N/A	N/A	N/A	40-140	N/A	50
Arochlor 1254	N/A	N/A	N/A	40-140	N/A	50
Arochlor 1260	99	N/A	N/A	40-140	N/A	50
SURROGATE: (30-150%)	**BLANK**	LCS				
TCMX SIGNAL 1	100	96				
DCBP SIGNAL 1	98	98				
TCMX SIGNAL 2	96	98				
DCBP SIGNAL 2	102	104				

GEOLABS, INC.
45 JOHNSON LANE
BRAINTREE, MA 02184
M-MA015

LIMITATIONS & EXCLUSIONS

All the professional opinions presented in this report are based solely on the scope of work conducted and sources referred to in our report. The data presented by GeoLabs in this report was collected and analyzed using generally accepted industry methods and practices at the time the report was generated. This report represents the conditions, locations and materials that were observed at the time the work was conducted. No inferences regarding other conditions, locations or materials, at a later or earlier time may be made based on the contents of the report. No other warranty, express or implied is made.

This report was prepared for the sole use of our client. Portions of the report may not be used independent of the entire report.

All analyses were performed within required holding times, in accordance with EPA protocols and using accepted QA/QC procedures. All QA/QC meets acceptable limits unless otherwise noted. The information contained in this report is, to the best of my knowledge, accurate and complete.

Any and all subsequent pages of this report are chain(s) of custody.

KNOLL ENVIRONMENTAL, INC.

CHAIN OF CUSTODY

69 WEXFORD STREET
NEEDHAM, MA 02494

Phone (781) 449-1566
Fax: (781) 449-1623

Turn Around Time: NORMAL
Due Date:

Project Name: KANSAS ST

COC# 059

PO# 059

Comments:

Collected By: JDD

Sample ID	Collection (Date/Time)	Matrix	Preservatives	# of Containers	8260 (VOC)	5035 high/low	524.2 (VOC)	8270 (PAH's)	VPH (TPH)	EPH (TPH) 42	RCRA 8 ☐Dissolved ☐Total	8080 (PCB) 7	Amrec Specs	Bardon Trimount	ESMI Specs	Asb. by PLM
KNOL-2	12.22.	H20	HCL	1		159768				X						
KNOL-3	↓	↓	HCL	1		159769				X						
~~KNOL-4~~																
MW-2A	↓	↓	—	2		159770						X				

Relinquished By:	Date/Time:	Relinquished By:	Date/Time:	Relinquished By:	Date/Time:
	12.22.04		12/27/04 12:20		
Received By:	**Date/Time:**	**Received By:**	**Date/Time:**	**Received By;**	**Date/Time:**
	12/27/04 11:50	Danielle Rega	12/27/04 12:20p		

GW=Ground Water S=Sediments/Soil WW=Waste Water

APPENDIX F

REPRESENTATIVENESS EVALUATION AND DATA USABILITY ASSESSMENT

Representativeness Evaluation and Data Usability Assessment

The following presents a discussion of the site information to support the Interim Phase II Comprehensive Response Action (Phase II) as required by the MCP and incorporating the guidance in MassDEP Policy WSC-07-350, *MCP Representativeness Evaluations and Data Usability Assessments*. It provides an evaluation and demonstration of the adequacy of temporal and spatial data sets used to support the Interim Phase II and makes conclusions on the accuracy, precision, and sensitivity of the data used.

Conceptual Site Model

The objectives of the Phase II were to assess the past land use practices conducted on land that was part of the former American Steel and Wire facility in Worcester, Massachusetts for the purposes of delineating the levels and types of contaminants contained in the fill and the underlying soil and ground water. The entire footprint of the 2 Kansas Street property (the Property) contains fill material of variable composition and thickness to a maximum depth of approximately 16 feet below ground surface (bgs). Beneath this fill material is a horizontally layered sequence of very fine sand to silt layers to the top of the bedrock at 45–52 feet bgs. Ground water aquifers exist in the unconsolidated aquifer and in the bedrock. The ground water table for the unconsolidated aquifer is 6 – 8 feet bgs and the gradient is very flat. The overall gradient of the potentiometric surface is 0.012 feet/feet along the northwestern corner of the Property, 0.06 feet/feet along the western portion of the Site, and 0.04 feet/feet along the central portion of the Property. The velocity of ground water flow is 0.12 feet per year to 6 feet per year.

The investigation identified the presence of chlorinated VOCs, VOCs, EPHs, PCBs, and metals in the fill and in the ground water. In addition, limited areas contained oil (a light amber colored non aqueous phase liquid (NAPL)) floating atop the ground water.

Neither the date(s) nor the mechanisms of the release(s) of these contaminants are known. However, the site history offers insight with which to build a conceptual site model. During the late 1800s and into the early 1900s, the area around the site was filled in for development. The fill used contains PCBs and metals such as arsenic (See Background Soil on Page 21 of the Phase II Report). As a result, some of the contamination at the Site likely resulted from this fill material. These contaminants were mixed in the soil and show a random pattern of horizontal and vertical distribution.

From 1943 to 1978, the Property operated as a scrap metal yard where drums of machine cuttings were collected and stored, lead batteries were collected and lead was removed for recycling (a smelter was reported to be located inside the building), and transformers were brought to the Property and dismantled. These operations released compounds of lead, cadmium, PCBs, solvents (TCE), and cutting oils onto the ground surface and infiltrated into the ground resulting in a general pattern of high surface soil concentrations which decreases with depth.

Over the past sixty plus years, the contaminants have generally stayed where they were released, in the surface soil. However, some migration has occurred. Rainwater infiltration has resulted in the co-transport of some contaminants deeper into the soil creating the pattern of decreasing contaminant concentration with depth. Some contaminants have migrated to the ground water where compounds equal or lighter in weight than water such as the LNAPL spread across the top of the water table, and heavier compounds such as the chlorinated ethenes traveled vertically down into the water column (45 feet to 52 feet bgs, to the top of the bedrock).

Petroleum hydrocarbons such as VPHs and EPHs may degrade over time by hydrolytic or biological processes, but this was not observed in the field measurements gathered. Evaluation of the TCE contamination revealed a complex pattern of chemical transformation and biodegradation including the formation of dichloroethenes and vinyl chloride. The complete degradation path to ethene and mineralization was not assessed.

PCBs were detected in the ground water. However, their low solubility in water would result in limited migration down gradient.

Several metals including lead and cadmium were observed in the ground water as dissolved species.

Ground water transport and degradation have resulted in the extent of contamination patterns described in the Phase II report. The chlorinated solvents plume extends from beneath the northern portion of the Property, beneath the abutting railroad track, and downgradient beneath the adjoining property. The EPH plume is located beneath the northern portion of the Property boundaries and may extend beneath the railroad track. The PCB plume is also located beneath the northern portion of the Property abutting the railroad track, and may extend beneath the railroad track. The oil LNAPL plume is located beneath the northern portion of the Property boundaries along the eastern edge abutting the railroad track, and may extend beneath the railroad track. Lead and cadmium are present at the Property boundaries in elevated concentrations and appear to have migrated upgradient beneath Kansas Street (Knoll-32). This may be due to the flat water table and the high concentration gradient. The metals have also migrated downgradient beneath the railroad track on the adjacent Mass Highway highway yard (Knoll-33).

The soil throughout the entire footprint of the Property contain PCBs, lead, and cadmium at levels above the Method One standards and Upper Concentration Limits. In general, the soil contain concentrations of PCBs and/or lead above the standards from ground surface down to a minimum depth of 3 feet bgs throughout the entire footprint of the Property. In several areas the standards for PCBs and/or lead are exceeded to a maximum depth of 9 feet bgs. The soil beneath and around the concrete pad in the asphalt paved parking area contain both lead and cadmium above the standards from ground surface to

a minimum depth of 3 feet bgs. Lead and cadmium coexist at elevated concentrations likely due to the past land use involving the dismantling of batteries in this area. In addition, three distinct areas of soil in the northern half of the Property contain TCE and its derivatives from ground surface to 4 feet bgs. Also, there are two separate and distinct areas that contain oil in the soil and oil floating atop the water table. This complex mixture of chemical compounds in the soil and ground water throughout the Property varies with location.

PCBs in soil at elevated concentrations exists in one distinct area likely due to the past land use involving the dismantling of transformers. PCBs in ground water coexists with oil floating atop the water table. EPH ground water is not associated with the oil plume floating atop the ground water table. TCE in ground water is present at elevated concentrations with TCE in soils at the same location. Dissolved lead and cadmium metals in ground water coexist with elevated lead and cadmium metals in soil at the same location.

Investigation Methods

Field Screening

Borings were conducted using Geoprobe 2" macrocores and the soil cores and were examined for odor, visual, and PID evidence (head space screening method) for the presence of potential contamination. Particle size distribution of soil from ground surface to 8 feet bgs was conducted at select locations and the composition of the fill materials were visually analyzed. The fill materials contained metal objects, glass, wood, asphalt, and iron slag, mixed with very find sands and fine to medium gravels. Volatile organic compound contamination (VOC) was observed in the field via head space screening which is appropriate for this contaminant.

Laboratory Analyses

Samples were analyzed for the contaminants of potential concern (COPCs) for the site. The COPCs are TCE, PCBs, VOCs, VPHs, EPHs, and metals (Pb, Cd, Ba, As, and Hg), and samples were analyzed using the appropriate MADEP and EPA methods for both soil and ground water samples.

Sample Locations

The sampling strategy used was to collect soil samples in a grid throughout the entire Property. If a boring location was found to be contaminated, samples were collected in the adjacent area to assess the concentrations of that specific contaminant until background levels were observed. In numerous instances, more than one sample was collected at specific depth intervals bgs to map the horizontal extent and vertical profile (depth), resulting in detailed maps showing the thickness of contaminants in soil throughout the Property.

The sampling strategy for ground water and oil or Light Non-aqueous Phase Liquid (LNAPL) floating atop the ground water table was to collect ground water samples adjacent to each area with elevated concentrations in the soil as well as elevated concentrations in existing wells installed for that specific contaminant. Specifically, ground water samples were collected at specific depth intervals bgs in a concentric pattern surrounding and area of elevated concentrations to map the horizontal extent and vertical profile (depth), resulting in detailed maps showing the plumes of EPH compounds, LNAPL extent, and chlorinated VOCs throughout the Property.

Temporal Data

Ground water samples were collected over a period of nine years (2002 to 2011) and at various seasons of the year when the ground water table was low (August) and when the ground table was high (May). LNAPL thicknesses varied as expected with seasonal fluctuations in the water table. Ground water samples were not collected from the same well more than twice using the same method at the same depth with the exception of a few wells sampled by CEA. Some changes may have occurred in wells installed by Knoll and not sampled since 2006. However, ground water movement is slow and transformation of TCE to its derivatives is slow, so conditions are likely to have changed little.

Completeness

During this investigation, both soil and ground water data were gathered at each of the areas of potential concern (AOPC) to assess their potential impact on the environment. At each location, the sample location and depth was targeted to where either field screening or knowledge of the contaminant fate and transport would indicate the contaminants might be present if there was a release. Based on this systematic approach, sufficient samples were collected to obtain an approximate characterization of the soil and ground water quality at the Property.

Data Inconsistency

Visual observations, odor, and field screening were well correlated. The results of the soil, ground water, and soil vapor sampling were consistent with field observations.

Note, the ground water samples collected on 6/27/05 (Table 15), the results for Knoll-10 (15') and Knoll-10 (45') revealed the exact same concentration of cis 1,2 DCE. These analytes would be expected, but not at the exact concentrations at different depths. It is certainly possible to have the same concentration, but it would not be expected given the precision of the results. The report and the laboratory raw data were checked for transcription errors and none were found. Also, the QA/QC data was within acceptable limits. Based on our assessment, the results are not qualified.

Data Not Used

All of the samples collected by Knoll were used and all of the analytical data collected was used to prepare the Phase II report. Some data obtained by CEA was not used because the sample locations were not clearly identified and/or were duplicated and therefore suspect.

Laboratory Data QA

The quality of the laboratory analytical data presented in this report was reviewed to ensure they are scientifically valid and defensible and of a level of precision and accuracy commensurate for use under the MCP and that they meet the presumptive certainty requirements. The criteria used to assess the quality assurance and quality control (QA/QC) are: precision, accuracy, representation, completeness, comparability, and sensitivity (PARCCS). The laboratory reports reviewed are included in Appendix B of the Phase II report. Note that the quality of the data presented in previous reports was reviewed and determined to be adequate for the purposes at that time. The quality of that data was not re-assessed but rather it was determined to be adequate for the purposes of this Phase II report.

Matrix Spike and Matrix Spike Duplicates (MS/MSDs) - Metals

The goal was to collect MS/MSD samples at a rate of at least 1 per 20 metals samples to assess the accuracy of the analyses. MS/MSDs were collected at the rates in the table below. Based on this information, the goal was met.

Analyses	**No. of Samples**	**MS/MSD**
Soil		
Metals RCRA 8	103	7
Chromium +6	3	
Pb, Cd	42	3
Ground water		
RCRA 8 Metals	12	3

The MS/MSD results are:

NET Lab Report R0831-03: A marginal concentration of lead was detected in the soil method blank. The concentration of lead was at the reporting limit. This has no impact on the sample result, which was considerably greater than the blank contamination.

The samples exhibited non-homogeneity, as well as high intrinsic concentrations of metals. This had the effect of masking the recoveries of the matrix spike and duplicate samples and a matrix effect was not detectable. This will not impact the results as they are over the standards and a potential health threat is recognized.

NET Lab Report V0914-37D: The matrix spike/matrix spike duplicate recoveries for sample B-125 (0-1.5') were outside the method allowable QC limits due to matrix interference. The recoveries for arsenic (45% and 43%) and cadmium (60% and 62%) were lower than the allowable limits. The sample results for arsenic and cadmium were non-detect. These results are considered estimates. The recoveries for lead were within the allowable limits.

NET Lab Report V0914-37E: The matrix spike/matrix spike duplicate recoveries for sample B-127 (1.5-3) were outside the method allowable QC limits due to matrix interference. The recovery for arsenic (57% and 59%) and cadmium (65% and 68%), were lower than the allowable limits. These results are considered estimates. The recovery for lead was within the allowable limits.

NET Lab Report V0929-29 Revised: The matrix spike/matrix spike duplicate recoveries for sample B-130 (3-6) were outside the method allowable QC limits due to matrix interference. The recovery for arsenic, barium, cadmium, and lead were lower than the allowable limits, and therefore the results for all four compounds may be higher than reported. The concentration of lead in the sample was above the standards, and therefore a higher than reported result would have no significance. The recoveries for arsenic were 63% and 60% which indicates the results may be marginally higher. The recoveries for barium were 67% which indicates the results may be marginally higher. The recoveries for cadmium were 66% which indicates the results may be marginally higher. The sample results for all these metals are considered estimates.

NET Lab Report V1101-11 Revised: The matrix spike/matrix spike duplicate recoveries and RPD for lead on sample B-135 (0.5-1.5) were outside the method allowable QC limits due to the presence of high levels of lead in the sample. The spike was masked by the high levels of lead. This will not impact the result as it is over the standards and a potential health threat is recognized.

NET Lab Report V1214-59: A matrix spike/matrix spike duplicate recovery and RPD for lead and cadmium on sample B-138 (0-1.5) were outside the method allowable QC limits. The matrix spike sample recovery for lead was lower (68%) than the allowable limit which indicates the results may be marginally higher. The lead spike was masked by the high levels of lead in the sample and will not impact the result for lead as it is over the standards and a potential health threat is recognized. The matrix spike sample recovery for cadmium was lower (70%) than the allowable limit which indicates the results may be marginally higher. The sample results for these metals are considered estimates.

Silver also had recoveries outside of method allowable QC limits due to matrix interferences on sample B-143 (9-12). The silver ms/msd recoveries, 144% and 136%, were greater than the allowable limits indicating the sample results may be marginally higher than the actual concentration. This will not impact the silver result as it was non-detect.

NET Lab Report W0105-09: Matrix spike/matrix spike duplicate recoveries for cadmium and silver on sample B-168 (0-1.5) were below the method allowable QC limits due to matrix interference. The recoveries were: cadmium 73% and 88%; silver 57% and 56%. The recoveries were above the method allowable QC limits for mercury (153% and 158%) which indicates the sample results may be marginally higher. The results for these analyses are considered estimates.

The RPD for arsenic was outside of method allowable QC limits due to matrix interference. The sample results are considered estimated.

Analytical Issues identified in Reports

All laboratory QA/QC parameters met the internal laboratory control limits and the lab certified that all the data met the requirements for Presumptive Certainty as described in Section 2 of the MassDEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data". The following presents some issues identified with the analyses in the laboratory reports.

Geolab Report Project ID 0506298: Sample B-70 (0-4') and (4'-6') contained elevated levels of PCB arochlor 1254. The lab diluted the sample 250X and 100X. Sample B-71 (0-5') contained elevated levels of PCB arochlor 1254. The lab diluted the sample 100X. Sample B-72 (6-9') contained elevated levels of PCB arochlor 1254. Sample B-73 (0-6') contained elevated levels of PCB arochlor 1254. The lab diluted the sample 5000X. The lab diluted the sample 100X. Sample B-80 (0-2') contained elevated levels of PCB arochlor 1254. The lab diluted the sample 100X. Sample Knoll-7 (4-5') contained elevated levels of PCB arochlor 1254. The lab diluted the sample 100X. Therefore, the results are reported as approximate. Due to elevated levels of the contaminants in the sample, there was no measurable surrogate recovery. This will not impact the result as it is over the standards and a potential health threat is recognized.

Geolab Report Project ID 159587:Sample KB-61 contained elevated levels of PCB arochlor 1016/1242 and 1254. The lab diluted the sample 100X, 2500X, and 5000X. Therefore, the result is reported as approximate. Due to elevated levels of the contaminants in the sample, there was no measurable surrogate recovery. This will not impact the result as it is over the standards and a potential health threat is recognized.

Geolab Report Project ID 153025: Sample KB-22, KB-29, KB-30, KB-37, KB-43, and KB-44 contained elevated levels of PCB arochlor 1254. The lab diluted the samples 50X to 2500X. Therefore, the result is reported as approximate. Due to elevated levels of the contaminants in the sample, there was no measurable surrogate recovery. This will not impact the result as it is over the standards and a potential health threat is recognized.

Geolab Report Project ID 152343: Sample KB-19, KB-20, KB-23, KB-24, KB-25, and KB-31 contained elevated levels of PCB arochlor 1254. The lab diluted the samples 50X to 500X. Therefore, the result is reported as approximate. Due to elevated levels of the

contaminants in the sample, there was no measurable surrogate recovery. This will not impact the result as it is over the standards and a potential health threat is recognized.

NET Lab Report R0831-03: Sample SS-2 for VPH surrogate recoveries were below the QC limits likely due to matrix interferences. Since the results were all non-detect to low ppb concentrations, this may indicate a matrix interference which resulted in data which biased low. As a result, the VOC data is "estimated" and new sampling data is recommended.

NET Lab Report R0831-03: Sample SS-4 and SS-8 for EPH contained high concentrations of petroleum compounds and the surrogates were diluted out. Surrogate recoveries were below the QC limits.. This will not impact the result as it is over the standards and a potential health threat is recognized.

NET Lab Report R1222-06: Sample B-108 (0.5-1.5), B-109 (0.3-1.5), B-110 (0.301.5), and B-111 (0.3-1.5) contained elevated levels of PCB arochlor 1254. The lab diluted the samples which resulted in no measurable surrogate recovery. Therefore, the result is reported as approximate. This will not impact the result as it is over the standards and a potential health threat is recognized.

NET Lab Report V0914-37D: The sample B-123 (0-1.5') and B-123 (1.5-3) contained elevated levels of the PCB arochlor 1254 and exceeded the calibration range of the instrument and were analyzed at a dilution. This resulted in no measurable surrogate recovery. This will not impact the result as it is over the standards and a potential health threat is recognized.

NET Lab Report V1214-59: The sample B-139 (1.5-3') and B-139 (3-6') contained low to non-detect levels of the PCB arochlor 1254. There was also no adequate measurable surrogate recovery. Since the results were all non-detect to low ppb concentrations, this may indicate a matrix interference which resulted in data which is biased low. As a result, this PCB data is "estimated" and new sampling data is recommended. The sample results for B-139 (1.5-3') were close to the standard and therefore this may indicated that PCB's at this depth are above the standard. The sample results for B-139 (3-6') are non-detect and the results may be higher but are likely below the standards.

NET Lab Report W0105-09: The sample B-165 (0.5-1.5) and B-165 (1.5-3') contained elevated levels of PCB arochlor 1254 and exceeded the calibration range of the instrument and were analyzed at a dilution. This resulted in no measurable surrogate recovery. This will not impact the result as it is over the standards as a potential health threat is recognized.

NET Lab Report W0105-11: The sample B-161 (0.5-1.5) contained elevated levels of PCB arochlor 1254 and exceeded the calibration range of the instrument and were analyzed at a dilution. This resulted in no measurable surrogate recovery. This will not impact the result as it is over the standards and a potential health threat is recognized.

NET Lab Report R0407-15: The detection limits for PCBs for sample MW-2A are elevated due to matrix interference. A large fuel pattern prevented resolution of internal standards when attempting to analyze the sample at lower detection limits. This will not impact the result as it is over the standards and a potential health threat is recognized.

NET Lab Report R0908-07: The surrogates in sample Knoll-8 were obscured due to interferences by the sample matrix. This will not impact the result as it is over the standards and a potential health threat is recognized.

NET Lab Report V-1222-15: The sample duplicate had limited sample volume and the duplicate analysis required a dilution from a container which had already been used. As a result, the duplicate analysis had elevated detection limits and exhibited a lower concentration for PCE. The data for this duplicate will not be used

Data Usability

Referring to Tables 1 through 15 of the Interim Phase II Comprehensive Site Assessment Report for media collected, activities performed and the date of sample collection, the sampling methods and analyses were all appropriate for the potential areas of concern identified. Based on the representativeness evaluation, data provided by the field screening and the samples collected will provide a reasonable representation of the site conditions. The majority of the analytical data provided in support of this report have met the method quality control requirements and performance standards for presumptive certainty as described in CAM VII A. The validity and defensibility of the analytical data used to support the findings of the Interim Phase II CSA for this Property with respect to accuracy, precision, and completeness have therefore been satisfied.

APPENDIX G

PUBLIC NOTIFICATIONS

October 11, 2011

Mayor Joseph C. O'Brien
City of Worcester
City Hall Room 112
455 Main Street
Worcester, MA 01608

SUBJECT: Interim Phase II Public Notice
2 Kansas Street
Worcester, MA
Release Tracking Number #2-0168

The Property at 2 Kansas St (the "Site') is currently listed with the Massachusetts Department of Environmental Protection (MADEP) under Release Tracking Numbers (RTN) 2-0168, and is currently classified as a Tier IB site. Pursuant to the Massachusetts Contingency Plan (310 CMR 40.0480), an Interim Phase II Comprehensive Site Assessment has been performed at the above referenced location. A release of oil and/or hazardous materials has occurred at this location which is classified as Tier II (310 CMR 40.0500). Response actions at this site has been conducted by Ernest Foster Jr., owner of 2 Kansas Street, who has employed Knoll Environmental, Inc. to manage response actions in accordance with the Massachusetts Contingency Plan (310 CMR 40.0000).

Please be advised that the above document and supporting documentation have been filed at the Massachusetts Department of Environmental Protection (MADEP) Central Region, 627 Main Street, Worcester where they may be reviewed and copies obtained.

Should you have any questions or require additional information, please feel free to call the undersigned at 781-449-1566 x 111.

Sincerely,
KNOLL ENVIRONMENTAL, INC.

Kevin A. Doherty
Hydrogeochemist
Director Environmental Services

cc: Board of Health, City of Worcester, Worcester, MA
MADEP-CERO, BWSC, Data Entry Unit, 627 Main St, Worcester, MA 01608

Corporate Headquarters
69 Wexford Street
Needham, MA 02494
(781) 449-1566
Fax (888) 291-8355

October 11, 2011

Board of Health
City of Worcester
455 Main Street
Worcester, MA 01608

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Release Tracking Number #2-0168

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Kevin A. Doherty
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Director Environmental Services

cc: Mayor, City of Worcester, Worcester, MA
MADEP-CERO, BWSC, Data Entry Unit, 627 Main St, Worcester, MA 01608

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